

CORNELL UNIVERSITY OFFICIAL PUBLICATION

Volume XXVIII

Number I

Announcement of The Medical College for 1936-37

at 1300 York Avenue, New York City and the first year,
also, at Ithaca, N. Y.

Ithaca, New York
Published by the University
July 1, 1936

Printed by
W. F. HUMPHREY PRESS INC.
Geneva, N. Y.

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CALENDAR

1936

- Sept. 21. Monday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y. Examinations are held at the Medical College, New York City, for the convenience of residents.
- Sept. 23. Wednesday—Examinations begin for conditioned medical students.
- Sept. 28. Monday—Registration Day.*
- Sept. 29. Tuesday—Classes begin. First quarter and first trimester begin.**
- Nov. 3. Tuesday—Election Day. Legal holiday.
- Nov. 25. Wednesday—First quarter ends.
Thanksgiving recess begins, 6 P. M.
- Nov. 30. Monday—Second quarter begins.
Thanksgiving recess ends, 9 A. M.
- Dec. 19. Saturday—First trimester ends.
Christmas recess begins, 1 P. M.

1937

- Jan. 4. Monday—Second trimester begins.
Christmas recess ends, 9 A. M.
- Feb. 6. Saturday—Second quarter ends.
- Feb. 8. Monday—Third quarter begins.
- Feb. 22. Monday—Washington's Birthday. Legal holiday.
- Mar. 20. Saturday—Second trimester ends.
- Mar. 22. Monday—Third trimester begins.
- Mar. 25. Thursday—Easter recess begins, 6 P. M.
- Mar. 29. Monday—Easter recess ends, 9 A. M.
- Apr. 10. Saturday—Third quarter ends.
- Apr. 12. Monday—Fourth quarter begins.
- May 31. Monday—Memorial Day. Legal holiday.
- June 5. Saturday—Fourth quarter and third trimester end.
- June 7-10, inc. Final examinations.
- June 16. Wednesday—Commencement, 4 P. M.

*All students must register in person at the Administration offices on or before September 30. No student will be admitted after Registration Day without special permission of the Dean. Upon registration all fees must be paid at the business office.

**The first, second and third years of the medical course are divided into trimesters; the fourth into quarters.

BOARD OF TRUSTEES

The President of the University		Ithaca
The Governor of New York State		Albany
The Lieutenant-Governor of New York State		Albany
The Speaker of the Assembly	<i>Ex-Officio</i>	Albany
The State Commissioner of Education		Albany
The State Commissioner of Agriculture		Albany
The President of the State Agricultural Society		Albany
The Librarian of the Cornell Library		Ithaca
CHARLES EZRA CORNELL		Ithaca
*NEAL D. BECKER	(B)	Brooklyn
*ROBERT H. TREMAN	(B)	Ithaca
*ROGER H. WILLIAMS	(B)	New York
*ARCHIE C. BURNETT	(A)	Boston, Mass.
*MARY M. CRAWFORD	(A)	New York
*EDWARD R. EASTMAN	(G)	Ithaca
FRANK E. GANNETT	(B)	Rochester
FRANKLIN W. OLIN	(B)	Alton, Ill.
EZRA B. WHITMAN	(B)	Baltimore
BANCROFT GHERARDI	(A)	New York
J. F. SCHOELLKOPF, JR.	(A)	Buffalo
MYRON C. TAYLOR	(G)	New York
JERVIS LANGDON	(B)	Elmira
HARPER SIBLEY	(B)	Rochester
WALTER C. TEAGLE	(B)	New York
CHARLES H. BLAIR	(A)	New York
JAMES W. PARKER	(A)	Detroit, Mich.
GEORGE R. VAN NAMEE	(G)	New York
AUGUST HECKSCHER	(B)	New York
HENRY R. ICKELHEIMER	(B)	New York
MAXWELL M. UPSON	(B)	New York
GEORGE R. PFANN	(A)	New York
ANDREW J. WHINERY	(A)	Newark, N. J.
HORACE WHITE	(G)	Syracuse
FRANK H. HISCOCK	(B)	Syracuse
NICHOLAS H. NOYES	(B)	Indianapolis
J. DUPRATT WHITE	(B)	New York
MAURICE C. BURRITT	(A)	Hilton, N. Y.
ROBERT E. TREMAN	(A)	Ithaca
STANTON GRIFFIS	(G)	New York
HOWARD E. BABCOCK	(Gr)	Ithaca

FACULTY REPRESENTATIVES

HERBERT H. WHETZEL (January 1, 1939)	Ithaca
ROBERT S. STEVENS (January 1, 1940)	Ithaca
DONALD ENGLISH (January 1, 1941)	Ithaca

*Term of office expires in 1937, the next group of six in 1938, etc. B, elected by the Board; A, elected by the Alumni; G, appointed by the Governor; Gr., elected annually by the State Grange.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Association was formed by an agreement between New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Association is not incorporated. It is operated under the supervision of a Joint Administrative Board, composed of three Governors of the New York Hospital, three representatives of the Trustees of Cornell University, and one other member elected by the appointed members.

The Joint Administrative Board is composed of the following members:

FRANK L. POLK	LIVINGSTON FARRAND
WILLIAM WOODWARD	J. DUPRATT WHITE
BRONSON WINTHROP	WALTER L. NILES
J. PIERPONT MORGAN	

MEDICAL COLLEGE COUNCIL

The Council was established by action of the Trustees of Cornell University for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College. It is composed of the President of the University, the Provost of the University, the Dean of the Medical College, three members of the Board of Trustees elected by the Trustees, and two members of the Medical Faculty elected by the Faculty.

The Council at present consists of the following members:

LIVINGSTON FARRAND, President of Cornell University, *Chairman, ex officio.*

ALBERT R. MANN, Provost of the University.

WILLIAM S. LADD, Dean, Cornell University Medical College.

HENRY R. ICKELHEIMER	} of the Board of Trustees.
MYRON C. TAYLOR	
ROGER H. WILLIAMS	

STANLEY R. BENEDICT	} of the Faculty.
HENRICUS J. STANDER	

EDWARD K. TAYLOR, *Secretary.*

OFFICERS OF ADMINISTRATION

LIVINGSTON FARRAND, *President.*

ALBERT R. MANN, *Provost.*

WILLIAM S. LADD, *Dean.*

DAYTON J. EDWARDS, *Assistant Dean.*

J. S. FERGUSON, *Secretary of the Faculty.*

DOROTHY GILL, *Recorder.*

EDWARD K. TAYLOR, *Secretary of Council and Business Manager.*

JOSEPHINE G. NICHOLS, *Librarian.*

EXECUTIVE FACULTY

LIVINGSTON FARRAND

STANLEY R. BENEDICT
OSKAR DIETHELM
EUGENE F. DUBOIS
WILLIAM J. ELSER
GEORGE J. HEUER
JOSEPH C. HINSEY
WILLIAM S. LADD

SAMUEL Z. LEVINE
JAMES M. NEILL
EUGENE L. OPIE
HENRICUS J. STANDER
CHARLES R. STOCKARD
JOHN C. TORREY

STANDING COMMITTEES*

COMMITTEE ON CURRICULUM

EUGENE L. OPIE, *Chairman*
EUGENE F. DUBOIS

HENRICUS J. STANDER
CHARLES R. STOCKARD

COMMITTEE ON ADMISSIONS

DAYTON J. EDWARDS, *Chairman*

J. S. FERGUSON

JOSHUA E. SWEET

GEORGE W. WHEELER

LIBRARY COMMITTEE

JAMES M. NEILL, *Chairman*

WILLIAM DEWITT ANDRUS
D. MURRAY ANGEVINE
GEORGE W. HENRY
JOSEPH C. HINSEY
RICHARD W. JACKSON

ANDREW A. MARCHETTI
CHARLES V. MORRILL
HENRY B. RICHARDSON
MRS. JOSEPHINE G. NICHOLS

COMMITTEE ON PROMOTION AND GRADUATION

DEAN LADD, *Chairman*

Heads of Departments, or their representatives, responsible for the more important courses of each year.

COMMITTEE ON SCHOLARSHIPS AND PRIZES

CHARLES R. STOCKARD, *Chairman*

SAMUEL Z. LEVINE

JAMES M. NEILL

*The Dean is ex-officio a member of all Committees.

THE FACULTY AND TEACHING STAFF

THE FACULTY

LIVINGSTON FARRAND, M.D., President of Cornell University.

A.B. 1888, A.M. 1891, Princeton; M.D. 1891, Columbia; Ph.D. hon. 1924, Rensselaer; L.H.D. 1922, Hobart; LL.D. 1914 Colorado College and Denver, 1917 Michigan, 1919 Colorado, 1922 Union, Princeton and Colgate, 1923 Yale, 1925 Pennsylvania and Dartmouth, 1927 Toronto, 1929 Columbia, 1934 Syracuse.

ALBERT R. MANN, Sc.D., Provost of Cornell University.

B.S.A. 1904, Cornell; A.M. 1916, Chicago; Sc.D. 1928, Syracuse; D.Agr. 1929, Rhode Island State; L.L.D. 1930 California and 1934 Wisconsin.

WILLIAM S. LADD, M.D., Dean.

B.S. 1910, Amherst; M.D. 1915, Columbia.

PROFESSORS EMERITI

J. CLIFTON EDGAR, M.D.	Professor of Obstetrics, <i>Emeritus</i>
GEORGE WOOLSEY, M.D.	Professor of Clinical Surgery, <i>Emeritus</i>
IRVING S. HAYNES, M.D.	Professor of Clinical Surgery, <i>Emeritus</i>
JOHN ROGERS, A.B., M.D.	Professor of Clinical Surgery, <i>Emeritus</i>
FREDERICK WHITING, M.D.	Professor of Clinical Surgery, Department of Otology, <i>Emeritus</i>
CHARLES L. GIBSON, M.D.	Professor of Surgery, <i>Emeritus</i>
WILLIAM L. RUSSELL, M.D.	Professor of Psychiatry, <i>Emeritus</i>
GEORGE GRAY WARD, M.D.	Professor of Obstetrics and Gynecology, <i>Emeritus</i>
ROBERT A. HATCHER, M.D.	Professor of Pharmacology, <i>Emeritus</i>

PROFESSORS

JAMES EWING, M.D., Professor of Oncology.

Director of Cancer Research, Memorial Hospital.
Consulting Pathologist, New York Hospital.

A.B. 1888, A.M. 1891, Sc.D. 1923, Amherst; M.D. 1891, Columbia; Sc.D. 1911, Pittsburgh.

CHARLES R. STOCKARD, Ph.D., M.D., Professor of Anatomy.

Director, Experimental Morphology Station.

B.S. 1899, M.S. 1901, Mississippi Agr. and Mech. College; Ph.D. 1906, Columbia; Sc.D. 1920, Cincinnati; M.D. 1922, Wurzburg.

WILLIAM J. ELSEY, M.D., Professor of Applied Pathology and Bacteriology.

Director, Central Laboratories, New York Hospital.

M.D. 1895, Bellevue Hospital Medical College.

STANLEY R. BENEDICT, Ph.D., Professor of Biochemistry

Director, Department of Chemistry, Memorial Hospital.

A.B. 1906, Cincinnati; Ph.D. 1908, Yale.

- EUGENE F. DuBois, M.D., Professor of Medicine.
Physician-in-Chief, New York Hospital.
Consulting Physician, Bellevue Hospital.
A.B. 1903, Harvard; M.D. 1906, Columbia.
- JOHN C. TORREY, Ph.D., Professor of Epidemiology.
A.B. 1898, Sc.D. 1922, Vermont; Ph.D. 1902, Columbia.
- HENRICUS J. STANDER, M.D., Professor of Obstetrics and Gynecology.
Obstetrician- and Gynecologist-in-Chief, New York Hospital.
Chief Obstetrician, Berwind Maternity Clinic.
M.S. 1916, Arizona; M.D. 1921, Yale.
- GEORGE J. HEUER, M.D., Professor of Surgery.
Surgeon-in-Chief, New York Hospital.
B.S. 1903, Wisconsin; M.D. 1907, Johns Hopkins.
- EUGENE L. OPIE, M.D., Professor of Pathology.
Pathologist, New York Hospital.
A.B. 1893, M.D. 1897, Johns Hopkins; Sc.D. 1931, Yale.
- JAMES M. NEILL, Ph.D., Professor of Bacteriology and Immunology.
B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College.
- SAMUEL Z. LEVINE, M.D., Professor of Pediatrics.
Pediatrician-in-Chief, New York Hospital.
A.B. 1916, College of the City of New York; M.D. 1920, Cornell.
- LEWIS A. CONNER, M.D., Professor of Clinical Medicine.
Consulting Physician, New York, Bellevue, and Memorial Hospitals.
Ph.B. 1887, Yale; M.D. 1890, Columbia.
- JOHN A. HARTWELL, M.D., Professor of Clinical Surgery.
Consulting Surgeon, New York, Bellevue, and Memorial Hospitals
Ph.B. 1889, M.D. 1892, Yale.
- EDWARD L. KEYES, M.D., Professor of Clinical Surgery (Urology).
Attending Surgeon, Urology, New York Hospital; Consulting
Urologist, Bellevue and Memorial Hospitals.
A.B. 1892, Ph.D. 1901, Georgetown; M.D. 1895, Columbia.
- OSCAR M. SCHLOSS, M.D., Professor of Clinical Pediatrics.
Attending Pediatrician, New York Hospital.
B.S. 1901, Alabama Polytechnic Institute; M.D. 1905, Johns Hopkins.
- WALTER L. NILES, M.D., Professor of Clinical Medicine.
Attending Physician, New York Hospital; Consulting Physician,
Bellevue and Memorial Hospitals.
M.D. 1902, Cornell.
- HANS J. SCHWARTZ, M.D., Professor of Clinical Medicine (Dermatology).
Attending Physician, Dermatology, New York Hospital; Consulting Physician, Memorial Hospital.
M.D. 1898, McGill.

HARRY M. IMBODEN, M.D., Professor of Clinical Radiology.
Consulting Radiologist, New York and Memorial Hospitals.
A.B. 1899, Lebanon Valley; M.D. 1903, Jefferson.

MALCOLM GOODRIDGE, M.D., Professor of Clinical Medicine.
Attending Physician, New York Hospital; Consulting Physician,
Bellevue Hospital.
A.B. 1894, Princeton; M.D. 1898, Columbia.

POL N. CORYLLOS, M.D., Professor of Clinical Surgery.
A.B., M.D. 1901, Athens; B.S., M.S., M.D. 1914, Paris.

FOSTER KENNEDY, M.D., Professor of Clinical Neurology.
Attending Physician, New York Hospital; Visiting Physician,
and Director of Neurological Service, Bellevue Hospital; Con-
sulting Neurologist, Memorial Hospital.
M.B., B.Ch. 1906, Royal University, Ireland; M.D. 1910, Dublin.

JOSHUA E. SWEET, M.D., Professor of Experimental Surgery.
A.B. 1897, A.M. 1900, Sc.D. 1922, Hamilton; M.D. 1901, Giessen.

BERNARD SAMUELS, M.D., Professor of Clinical Surgery (Ophthalmol-
ogy).
Attending Surgeon, Ophthalmology, New York Hospital.
M.D. 1907, Jefferson.

CHARLES E. FARR, M.D., Professor of Clinical Surgery.
Attending Surgeon, New York Hospital.
A.B. 1898, M.D. 1903, Yale.

EUGENE H. POOL, M.D., Professor of Clinical Surgery.
Senior Attending Surgeon, New York Hospital.
A.B. 1895, Harvard; M.D. 1899, Columbia.

HENRY H. M. LYLE, M.D., Professor of Clinical Surgery.
Attending Surgeon, St. Luke's Hospital.
M.D. 1900, Columbia.

WILLIAM R. WILLIAMS, M.D., Professor of Clinical Medicine.
Consulting Physician, New York Hospital.
A.B. 1889, A.M. 1892, Williams; M.D. 1895, Columbia.

JOSEPH C. ROPER, M.D., Professor of Clinical Medicine.
Consulting Physician, New York Hospital.
M.D. 1897, New York University Medical College; M.D. 1899, Cornell.

NATHAN CHANDLER FOOT, M.D., Professor of Surgical Pathology.
Surgical Pathologist, New York Hospital.
A.B. 1903, Harvard; M.D. 1907, Columbia.

RUSSELL L. CECIL, M.D., Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
A.B. 1902, Princeton; M.D. 1906, Medical College of Virginia.

PHYLLIS GREENACRE, M.D., Professor of Clinical Psychiatry.
Attending Psychiatrist, New York Hospital.

B.S. 1913, University of Chicago; M.D. 1916, Rush.

OSKAR DIETHELM, M.D., Professor of Psychiatry.
Psychiatrist-in-Chief, New York Hospital.

Staatsexamen 1922, University of Zurich Medical School.

WILLIAM S. LADD, M.D., Dean; Professor of Clinical Medicine.
Attending Physician, New York Hospital.

B.S. 1910, Amherst; M.D. 1915, Columbia.

JOSEPH C. HINSEY, Ph.D., Professor of Physiology.

B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University.

CLARENCE O. CHENEY, M.D., Professor of Clinical Psychiatry.
Consulting Psychiatrist, New York Hospital.

A.B. 1908, M.D. 1911, Columbia.

ASSOCIATE PROFESSORS

WILLIAM C. THRO, M.D., Associate Professor of Medicine (Clinical Pathology).

Clinical Pathologist, in charge of clinical clerks, New York Hospital.

B.S. 1900, A.M. 1901, M.D. 1907, Cornell.

DAYTON J. EDWARDS, Ph.D., Assistant Dean; Associate Professor of Physiology.

B.S. 1906, Maine; Ph.D. 1913, Columbia.

CHARLES V. MORRILL, Ph.D., Associate Professor of Anatomy.

A.M. 1906, Ph.D. 1910, Columbia.

ALEXANDER R. STEVENS, M.D., Associate Professor of Clinical Surgery (Urology).

Associate Attending Surgeon, Urology, New York Hospital;
Visiting Surgeon and Director of Urological Service, Bellevue Hospital.

A.B. 1896, M.D. 1903, Johns Hopkins.

JOHN R. CARTY, M.D., Associate Professor of Radiology.
Radiologist, New York Hospital.

B.S. 1917, Princeton; M.D. 1921, Cornell.

HERBERT F. TRAUT, M.D., Associate Professor of Obstetrics and Gynecology.

Attending Obstetrician and Gynecologist, New York Hospital.

B.S. 1917, Whitman; M.D. 1923, Johns Hopkins.

WILLIAM DEWITT ANDRUS, M.D., Associate Professor of Surgery.
Attending Surgeon, New York Hospital.

A.B. 1916, A.M. 1917, Oberlin; M.D. 1921, Johns Hopkins.

- HENRY B. RICHARDSON, M.D., Associate Professor of Medicine.
Attending Physician, New York Hospital; Visiting Physician,
Bellevue Hospital.
A.B. 1910, M.D. 1914, Harvard.
- HAROLD J. STEWART, M.D., Associate Professor of Medicine.
Attending Physician, New York Hospital.
A.B. 1915, M.D. 1919, A.M. 1923, Johns Hopkins.
- GEORGE W. HENRY, M.D., Associate Professor of Psychiatry.
Attending Psychiatrist, New York Hospital.
A.B. 1912, Wesleyan; M.D. 1916, Johns Hopkins.
- JAMES A. HARRAR, M.D., Associate Professor of Clinical Obstetrics and
Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
M.D. 1901, University of Pennsylvania.
- MORTON C. KAHN, Ph.D., Associate Professor of Public Health and
Preventive Medicine.
B.S. 1916, Ph.D. 1924, Cornell; A.M. 1917, Columbia.
- HENRY JAMES SPENCER, M.D., Associate Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital; Visiting
Physician and Director, Second Medical Division, Bellevue
Hospital.
A.B. 1907, Syracuse; A.M. 1908, Williams; M.D. 1913, Columbia.
- McKEEN CATTELL, M.D., Associate Professor of Pharmacology
B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard.
- CONNIE M. GUION, M.D., Associate Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1906, Wellesley; A.M. 1913, M.D. 1917, Cornell.
- LEWIS D. STEVENSON, M.D., Associate Professor of Clinical Neurology
and Assistant Professor of Neuropathology.
Assistant Attending Physician, New York Hospital.
Associate Visiting Physician, Bellevue Hospital.
A.B. 1916, M.D. 1916, Queen's University
- WILLIAM F. MACFEE, M.D., Associate Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital.
A.B. 1914, University of Tennessee; M.D. 1918, Johns Hopkins.

ASSISTANT PROFESSORS

- JOHN C. A. GERSTER, M.D., Assistant Professor of Clinical Surgery.
A.B. 1902, M.D. 1905, Columbia.
- ARTHUR L. HOLLAND, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital; Consulting
Physician, Memorial Hospital.
M.D. 1897, New York University.

- ROBERT A. COOKE, M.D., Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1900, A.M. 1904, Rutgers; M.D. 1904, Columbia.
- RALPH G. STILLMAN, M.D., Assistant Professor of Clinical Pathology.
Clinical Pathologist, New York Hospital.
A.B. 1903, Yale; M.D. 1907, Columbia.
- CARY EGGLESTON, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital; Visiting
Physician, Bellevue Hospital.
M.D. 1907, Cornell.
- LOUIS C. SCHROEDER, M.D., Assistant Professor of Clinical Pediatrics.
Attending Pediatrician, New York Hospital.
M.D. 1911, Columbia.
- GUILFORD S. DUDLEY, M.D., Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital; Visiting Sur-
geon and Director, Second Surgical Division, Bellevue Hospital.
A.B. 1910, M.D. 1913, Cornell.
- GEORGE W. WHEELER, M.D., Assistant Professor of Applied Bacteri-
ology.
Clinical Bacteriologist, New York Hospital.
M.D. 1907, Cornell.
- GEORGE PAPANICOLAOU, M.D., Assistant Professor of Anatomy.
M.D. 1904, Athens; Ph.D. 1910, Munich.
- HAROLD E. B. PARDEE, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
A.B. 1906, M.D. 1909, Columbia.
- WALTER C. KLOTZ, M.D., Assistant Professor of Public Health and
Preventive Medicine.
Director, Out-Patient Department, New York Hospital.
M.D. 1898, Columbia.
- ARTHUR PALMER, M.D., Assistant Professor of Clinical Surgery, and
Acting Head, Department of Otolaryngology.
Associate Attending Surgeon, Otolaryngology, New York Hos-
pital.
A.B. 1911, Brown; M.D. 1915, Cornell.
- MORRIS K. SMITH, M.D., Assistant Professor of Clinical Surgery.
Attending Surgeon, St. Luke's Hospital.
A.B. 1907, A.M. 1911, M.D. 1911, Dartmouth.
- HERVEY C. WILLIAMSON, M.D., Assistant Professor of Clinical Ob-
stetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
M.D. 1908, New York University.
- JOSÉ F. NONIDEZ, Sc.D., Assistant Professor of Anatomy.
M.S. 1913, Sc.D. 1914, Madrid.

WILLIAM H. CHAMBERS, Ph.D., Assistant Professor of Physiology.
B.S. 1915, M.S. 1917, Illinois; Ph.D. 1920, Washington University.

HARRY GOLD, M.D., Assistant Professor of Pharmacology.
A.B. 1919, M.D. 1922, Cornell.

HOWARD S. JECK, M.D., Assistant Professor of Clinical Surgery (Urology).
Assistant Attending Surgeon, Urology, New York Hospital; Associate Visiting Surgeon, Department of Urology, Bellevue Hospital.
Ph.B. 1904, Yale; M.D. 1909, Vanderbilt.

PHILIP B. ARMSTRONG, M.D., Assistant Professor of Anatomy.
B.S. 1921, Massachusetts Agricultural College; M.D. 1926, Cornell.

RUSSEL H. PATTERSON, M.D., Assistant Professor of Clinical Surgery.
Assistant Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital.
A.B. 1914, Georgia; M.D. 1918, Harvard.

GERVAIS W. McAULIFFE, M.D., Assistant Professor of Clinical Surgery (Otolaryngology).
Assistant Attending Surgeon, Otolaryngology, New York Hospital.
M.D. 1920, Long Island College Hospital.

HAROLD G. WOLFF, M.D., Assistant Professor of Medicine.
Associate Attending Physician, New York Hospital.
B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard.

PAUL REZNIKOFF, M.D., Assistant Professor of Medicine.
Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital.
B.S. 1916, New York University; M.D. 1920, Cornell.

R. GORDON DOUGLAS, M.D., Assistant Professor of Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
M.D.C.M. 1924, McGill.

EDWARD CUSSLER, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
M.D. 1904, Columbia.

SEWARD ERDMAN, M.D., Assistant Professor of Clinical Surgery.
Attending Surgeon, New York Hospital.
A.B. 1897, Princeton; M.D. 1902, Columbia.

C. FREDERIC JELLINGHAUS, M.D., Assistant Professor of Clinical Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
A.B. 1897, College of the City of New York; M.D. 1901, Columbia.

- JOHN A. VIETOR, M.D., Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital.
A.B. 1907, Yale; M.D. 1911, Columbia.
- BRUCE WEBSTER, M.D., Assistant Professor of Medicine.
Assistant Attending Physician, New York Hospital.
M.D.C.M. 1925, McGill.
- SYDNEY WEINTRAUB, M.D., Assistant Professor of Clinical Radiology.
Assistant Radiologist, New York Hospital.
M.D. 1918, Columbia.
- MAY G. WILSON, M.D., Assistant Professor of Clinical Pediatrics.
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CHESTER L. YNTEMA, Ph.D., Instructor in Anatomy.
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JOSEPHINE G. NICHOLS, Ph.B., Librarian.

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WILLIS A. MURPHY, M.D.	MARJORY J. NELSON, M.D.
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DERMATOLOGY

Attending Physician

HANS J. SCHWARTZ, M.D.

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Assistant Physicians to Out-Patients

DANIEL G. KUHLETHAU, M.D.	LIONEL C. RUBIN, M.D.
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Provisional Assistant Physician to Out-Patients

ALBERT RUBIN, M.D.

NEUROLOGY

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FOSTER KENNEDY, M.D.

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OTOLARYNGOLOGY

Associate Attending Surgeon

ARTHUR PALMER, M.D.

¹Transfusions.

²Proctology.

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AMERICO A. SAVASTANO, M.D.	

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WILLIAM D. DUNAWAY, M.D.	WILLIAM A. WALKER, M.D.
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Director

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FRANCIS G. GENIN, M.D. ²	JOHN B. OGILVIE, M.D.

¹Urology.

²{ Otolaryngology.
Ophthalmology.

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ROSE ANDRÉ, M.D.

Admitting Physician

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LESTER BOSSERT, M.D.
ARTHUR M. FARIS, M.D.
THOMAS D. TYSON, JR., M.D.

¹Urology.
²

{	Otolaryngology.
	Ophthalmology.

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JOSEPH S. STABNICK, M.D.	

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ROBERT O. DuBOIS, M.D.	WILLIAM SCHMIDT, M.D.
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HELEN HARRINGTON, M.D.	T. DURLAND VAN ORDEN, M.D.
FREDERICK C. HUNT, M.D.	MARJORIE A. WHEATLEY, M.D.

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HEDWIG KOENIG, M.D.	LOUIS E. WEYMULLER, M.D.
ANNA M. KULKA, M.D.	HERBERT M. WILLIAMS, M.D.

Provisional Assistant Pediatrician to Out-Patients

CORNELIA B. WALKER, M.D.

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Resident Pediatrician

JOHN E. FRANKLIN, M.D.

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GLADYS J. FASHENA, M.D.	THISTLE M. MCKEE, M.D.
THOMAS B. WALKER, M.D.	

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JOHN A. DEGEN, JR., M.D.	COLIN MACRAE, M.D.
RICHARD H. GODWIN, M.D.	FLOYD A. NORMAN, M.D.
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Psychiatrist-in-Chief

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GERALD R. JAMEISON, M.D.

Attending Psychiatrists

PHYLLIS GREENACRE, M.D.	GEORGE W. HENRY, M.D.
-------------------------	-----------------------

Associate Attending Psychiatrists

WILLIAM H. DUNN, M.D.	NORVELLE C. LAMAR, M.D.
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Assistant Attending Psychiatrists

C. DILLER RYAN, M.D.	MARION STRANAHAN, M.D.
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Assistant Attending Physician

CARL BINGER, M.D.

Attending Dental Surgeon

DAVID AUSTIN SNIFFEN, D.D.S.

Psychiatrists to Out-Patients

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B. MILDRED EVANS, M.D.	CHARLOTTE MUNN, M.D.
THOMAS H. HAINES, M.D.	HENRY A. SHAW, M.D.
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ROBERT A. MOORE, M.D.

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CHARLES T. OLCOTT, M.D.

HENRY W. FERRIS, M.D.

LEWIS D. STEVENSON, M.D.

Assistant Resident Pathologist

JOHN W. HALL, JR., M.D.

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HELOISE B. HOUGH, M.D.

ROBERT MELCHIONNA, M.D.

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Director

WILLIAM J. ELSE, M.D.

Clinical Pathologist

RALPH G. STILLMAN, M.D.

Clinical Bacteriologist

GEORGE W. WHEELER, M.D.

Assistant Clinical Bacteriologists

MARGUERITE M. LEASK

RUTH THOMAS, C.P.H.

GUSTAV I. STEFFEN, Ph.D.

ELIZABETH WATSON, A.M.

Clinical Pathologist, in charge of Clinical Clerks

WILLIAM C. THRO, M.D.

BELLEVUE HOSPITAL

SECOND MEDICAL DIVISION (CORNELL)

HENRY JAMES SPENCER, M.D., *Director*
FOSTER KENNEDY, M.D., *Director, Neurological Service*

Consulting Physicians

LEWIS A. CONNER, M.D.	EUGENE F. DuBOIS, M.D.
MALCOLM GOODRIDGE, M.D.	WALTER L. NILES, M.D.

Visiting Physicians

CARY EGGLESTON, M.D.	EMANUEL D. FRIEDMAN, M.D. ¹
FOSTER KENNEDY, M.D. ¹	ASA L. LINCOLN, M.D.
JOHN H. RICHARDS, M.D.	HENRY B. RICHARDSON, M.D.
HENRY JAMES SPENCER, M.D.	

Associate Visiting Physicians

SAMUEL BROCK, M.D. ¹	LEWIS D. STEVENSON, M.D. ¹
LOUIS HAUSMAN, M.D. ¹	S. BERNARD WORTIS, M.D. ¹
PAUL REZNIKOFF, M.D.	FRANK HART PETERS, M.D.
IRVING S. WRIGHT, M.D.	

Assistant Visiting Physicians

BENJAMIN I. ASHE, M.D.	MILTON HELPERN, M.D.
JAMES R. BEARD, JR., M.D.	OLGA KNOPF, M.D. ¹
AARON BELL, M.D. ¹	LEON I. LEVINE, M.D.
ZACHARIAS BERCOVITZ, M.D.	EDGAR MAYER, M.D.
JAMES M. BETHEA, M.D.	MARY E. O'SULLIVAN, M.D. ¹
EDWARD A. BURKHARDT, M.D.	NORMAN PAPAE, M.D.
PETER DENKER, M.D. ¹	HELEN S. ROGERS, M.D. ¹
A. WILBUR DURYEE, M.D.	GURNEY TAYLOR, M.D.
ALFRED H. EHRENCLOU, M.D. ¹	BYARD WILLIAMS, M.D.
ALEXANDER WOLF, M.D. ¹	

Clinical Assistant Visiting Physicians

ARTHUR ANTENUCCI, M.D.	JOSEPH KOVACS, M.D.
ABRAHAM A. ANTOVILLE, M.D.	ABRAHAM LIEBERSON, M.D.
NATHAN B. BLUESTONE, M.D.	ALFRED A. LILIENFELD, M.D.
KEEVE BRODMAN, M.D.	ROBERT M. LINTZ, M.D.
PAUL E. CARLISLE, M.D.	MALCOLM K. SMITH, M.D.
LAURENCE FARMER, M.D.	WILLIAM D. STUBENBORD, M.D.
DAVID D. FEINBERG, M.D.	WILLIAM VON STEIN, M.D.
ROBERT FLIESS, M.D.	ROBERT E. WESTMORELAND, M.D.
HENRY B. KIRKLAND, M.D.	JOSEPH YASWEN, M.D.
MARGARET KLUMPP, M.D.	SEYMOUR ZUCKER, M.D.

Resident Physician

EDWARD P. ROEMER, M.D.

¹Neurology.

SECOND SURGICAL DIVISION (CORNELL)

GUILFORD S. DUDLEY, M.D., *Director*

ALEXANDER R. STEVENS, M.D., *Director, Urological Service*

Consulting Surgeons

JOHN A. HARTWELL, M.D.

EDWARD L. KEYES, M.D.²

JOHN ROGERS, M.D.

GEORGE WOOLSEY, M.D.

Visiting Surgeons

HERBERT BERGAMINI, M.D.

JOSEPH E. J. KING, M.D.¹

GUILFORD S. DUDLEY, M.D.

RUSSEL H. PATTERSON, M.D.

ALEXANDER R. STEVENS, M.D.²

Associate Visiting Surgeons

HOWARD S. JECK, M.D.²

WALTER J. MCNEILL, M.D.²

JOHN E. SUTTON, JR., M.D.

Assistant Visiting Surgeons

MEREDITH F. CAMPBELL, M.D.²

DOROTHY A. KLENKE, M.D.¹

GEORGE A. CASHMAN, M.D.²

ERNEST W. LAMPE, M.D.

WILLIAM R. DELZELL, M.D.²

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ROBERT K. FELTER, M.D.

MAX S. RHODE, M.D.²

ROBERT S. HOTCHKISS, M.D.²

JOHN E. SCARFF, M.D.¹

ABRAHAM KAPLAN, M.D.¹

WILFRED D. WINGEBACH, M.D.¹

Clinical Assistant Visiting Surgeons

JOSEPH L. BOEHM, M.D.²

I. DEAN MAKOWSKI, M.D.²

MAURICE M. CHAPNICK, M.D.²

MEGIRDICH MONGOIAN, M.D.²

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S. SYM NEWMAN, M.D.²

JOSEPH GORGA, M.D.²

J. H. O'CONNOR, M.D.²

HARRY HAUSMAN, M.D.²

A. S. SANDERS, M.D.²

JACOB LANES, M.D.²

GEORGE W. SLAUGHTER, M.D.²

CHESTER R. STONE, M.D.²

Resident Surgeon

ALBERT NORTH STEVENSON, M.D.

Resident Urologist

MILTON COHN, M.D.

Resident Surgeon, Neurology

R. YORKE HERREN, M.D.

Visiting Roentgenologist

JACOB BUCKSTEIN, M.D.

¹Neurology.

²Urology.

MEMORIAL HOSPITAL
JAMES EWING, M.D., *Director*

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JOHN ROGERS, M.D.	JOHN A. HARTWELL, M.D.
	ALFRED S. TAYLOR, M.D.

Gynecologists

H. C. COE, M.D.	GEORGE W. JARMAN, M.D.
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Physicians

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	ARTHUR L. HOLLAND, M.D.

Dermatologists

J. FRANK FRASER, M.D.	HANS J. SCHWARTZ, M.D.
	CHARLES M. WILLIAMS, M.D.

Ophthalmologists

ARNOLD KNAPP, M.D.	ALGERNON B. REESE, M.D.
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Neurologist

FOSTER KENNEDY, M.D.

Laryngologist

D. BRYSON DELAVAN, M.D.

Urologist

EDWARD L. KEYES, M.D.

Roentgenologists

LEWIS GREGORY COLE, M.D.	HARRY M. IMBODEN, M.D.
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Pediatrician

HAROLD DARGEON, M.D.

Dental Surgeon

WILLIAM W. SHEPARD, D.D.S.

Statistician

PROFESSOR WALTER F. WILLCOX

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BENJAMIN S. BARRINGER, M.D. ¹	HAYES E. MARTIN, M.D.

Roentgenologist

RALPH E. HERENDEEN, M.D.

Assistant Roentgenologist

JAMES J. DUFFY, M.D.

Dental Surgeon

A. F. ACKERMAN, D.D.S.

Attending Physician

LLOYD F. CRAVER, M.D.

*Assistant Physician*GEORGE HALL HYSLOP, M.D.³*Associate Attending Surgeons*

ARCHIE L. DEAN, JR., M.D. ¹	BRADLEY L. COLEY, M.D.
GEORGE E. BINKLEY, M.D.	FRANK R. SMITH, M.D.
BYRON STOOKEY, M.D. ³	GEORGE T. PACK, M.D.

Assistant Surgeons

SAMUEL C. JOHNSON, M.D.	HOWARD C. TAYLOR, JR., M.D.
JAMES J. DUFFY, M.D.	WILLIAM L. WATSON, M.D.
NORMAN E. TREVES, M.D.	RUSSELL S. FERGUSON, M.D.

Clinical Assistants

NORMAN L. HIGINBOTHAM, M.D.	JOHN KELLY, M.D.
WILLIAM S. MACCOMB, M.D.	GORDON P. MCNEER, M.D.

Anaesthetists

HARRY LANDESMAN, M.D.	ANNA E. ARMSTRONG, R.N.
ALFRED E. PHELPS, M.D.	

Clinical Fellows

JOSEPH FARROW, M.D.	THOMAS J. ANGELM, M.D.
JAY McLEAN, M.D.	GRAY TWOMBLEY, M.D.
EDGAR FRAZELL, M.D.	HILMAR MUNSTER, M.D.
M. E. HOWE, M.D.	

¹Urology.²Gynecology.³Neurology.

DEPARTMENT OF LABORATORIES

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FRED W. STEWART, M.D.	.	Pathologist
STANLEY R. BENEDICT, Ph.D.	Director, Department of Chemistry	
HELEN Q. WOODWARD, Ph.D.	.	Chemist
KANEMATSU SUGIURA, Sc.D.	.	Chemist
HELEN R. DOWNES, Ph.D.	.	Chemist
GIOACCHINO FAILLA, E.E., D.Sc.	.	Physicist
EDITH M. QUIMBY, M.A.	Associate Physicist	
ELISE S. L'ESPERANCE, M.D.	.	Serologist
JOHN C. TORREY, Ph.D.	.	Bacteriologist
HALSEY J. BAGG, Ph.D.	.	Biologist
LEAH RICHARDS, M.A.	.	Biologist
CLARENCE R. HALTER, Ph.D.	Assistant Biologist	
PAUL S. HENSHAW, Ph.D.	.	Biophysicist
DOROTHY FRANCIS, Ph.D.	Assistant Biophysicist	
AMELIA ELKIND, D.Sc.	.	Histologist
WILLIAM S. DUNN	.	Photographer
MARIE L. HESSELBACH, A.B.	.	Technician
GEORGINA E. HILDERBRAND, A.B.	.	Technician
BARBARA SMITH, A.B.	.	Technician

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY MEDICAL COLLEGE was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty, and appointed six professors. The medical college was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building of the medical college located at 28th Street and First Avenue, and pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the medical college admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

In order to link up closely the medical college in New York City with the University of which it is a part, instruction in pre-clinical subjects was begun at Ithaca the same year that the Cornell University Medical College came into being in New York City. The first two years of medical studies could be pursued either at Ithaca or in New York, while all students joined in New York City for the last two years. The plan providing instruction at Ithaca was changed in 1908, as it was felt that the medical students should come under the influence of the teaching centered in the various New York hospitals at an earlier time in their career, and since that date only the first year of medical instruction has been offered on the campus of Cornell University at Ithaca.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities, the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order, but also to study disease and the sciences underlying medicine in order to add to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The future of Cornell University Medical College is now bound up with that of the New York Hospital, and since September, 1932, the two institutions have occupied the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life

of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the hospital and the medical college had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was formed for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the hospital and of the medical college, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by those appointed by the hospital and by the university.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments, and includes approximately 1,000 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The faculty of the medical college and the professional staff of the hospital are organized so as to form one body established on a university basis.

The new plant completed in 1932 affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the new plant of the New York Hospital-Cornell Medical College Association are in many respects unexcelled. The plant consists of eleven buildings, joined either directly or by underground passages. All of these buildings have been designed as parts of a great teaching institution, and in planning them much thought was given to the problems of teaching. Nearly five years were required to plan and construct the group of buildings to be devoted to the care of patients, to medical teaching, and to scientific research in the various fields of medicine.

The instruction in the medical sciences is conducted in a group of laboratories extending along York Avenue from 68th to 70th Street, centering in a court at the end of 69th Street, where the entrance of the medical college is located. Four buildings five stories high with two basements face York Avenue. The two outer buildings are connected with the central group by buildings two stories in height. At the northern end of the group is the laboratory of the Department of Anatomy with the Department of Public Health and Hygiene in the connecting wing. The building at the southern end contains the laboratories of Biochemistry and Pharmacology. The central group of

buildings is formed by the laboratories of the Department of Physiology on the south, and those of the Department of Bacteriology and Immunology on the north, joined by a seven-story building which contains the offices of the medical college, the library, and the Department of Pathology. This central building of the college is joined on all floors with the central hospital building.

Student laboratories and lecture rooms are provided on the second and third floors of these buildings and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed-patients, its own out-patient department, lecture rooms and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed-patients, three floors for its out-patient department, and extensive laboratories for chemical, physiological, and biological research.

The surgical clinic occupies the pavilions from the fifth to the ninth floor, with out-patient and other facilities for the various surgical specialties. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1,000 beds.

The head of each clinic, responsible for the care of patients and the conduct of the professional services of the hospital, is also professor in charge of the corresponding department of the medical college. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the college and hospital, while other members of these departments devote part of their time to private practice.

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the medical college, while in others the teaching privileges have been granted to the members of the staffs who are also members of the medical college faculty.

BELLEVUE HOSPITAL. Bellevue is the central hospital of the New York City Department of Hospitals. It contains 2,300 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of

Cornell University Medical College for medical instruction. The services conducted by the college include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds each. The staffs of these services are nominated by the college from among the members of its faculty and teaching staff, and the medical college is responsible for the professional conduct of these services.

MEMORIAL HOSPITAL. Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. According to an agreement between the Memorial Hospital and the College, the professional staff is named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

THE JOHN E. BERWIND FREE MATERNITY CLINIC. An affiliation having been consummated between the John E. Berwind Free Maternity Clinic and Cornell University Medical College, the medical direction of the clinic is placed under the control of the college. The medical staff, including the resident and house staffs, is appointed by the clinic only on nomination by the medical college.

Cornell students are assigned to the clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

When Cornell students have been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic, 125 East 103rd Street, New York, N. Y.

MANHATTAN STATE HOSPITAL, WARD'S ISLAND. This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the Department of Psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

ST. LUKE'S HOSPITAL. Teaching privileges have been granted for surgical instruction which is conducted under the direction of a professor in Cornell University Medical College who is an attending surgeon of St. Luke's Hospital. The surgical service of this splendid institution affords valuable opportunities for the study of surgery.

WILLARD PARKER HOSPITAL. Instruction in infectious diseases is conducted at the Willard Parker Hospital, where staff positions are held by members of the faculty and teaching staff who have the privilege of conducting medical instruction.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

This institute has been associated with Cornell University Medical College since 1913, through its affiliation with the Second Medical (Cornell) Division of Bellevue Hospital. It has supported research work in metabolism conducted by the members of the Department of Medicine. Dr. Eugene F. DuBois, Professor of Medicine, is the medical director of the institute. The respiration calorimeter which was operated for a number of years by Dr. DuBois at Bellevue Hospital has been transferred by the directors of the institute to the New York Hospital, and sufficient funds for carrying on the important metabolic studies of the staff have been provided by the institute.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the medical college. The current journals are kept in racks about three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the sub-basement with six floors of stacks and accommodations for about 100,000 volumes. There is also a library seminar room, and several rooms for the library staff.

The library contains at the present time about 23,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

Several of the departments of the medical college have libraries containing journals, monographs, and text books pertaining especially to the subject matter of the department. These serve to supplement in a useful way the scope of the main library.

The library is under the direction of a committee of the faculty, and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

A special fund, maintained in memory of Alfred Moritz Michaelis, M.D., Cornell 1925, who died the year after his graduation, is used for the purchase of books of cultural and historic value in medicine.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

REQUIREMENTS FOR ADMISSION AND GRADUATION

The faculty of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree in arts or science. Accordingly, only the following classes of candidates for the degree of Doctor of Medicine are admitted to Cornell University Medical College:

I. Graduates of approved colleges or scientific schools; *or*

II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in Cornell University Medical College for the fourth year of their college course, and will confer upon them the baccalaureate degree upon the satisfactory completion of the first year's work in medicine. No student admitted under this clause is permitted to enter the second year of the curriculum without having obtained a baccalaureate degree.

III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a baccalaureate degree, and training sufficient to enable them to profit by the instruction offered in the medical college. This rule is intended to apply to students of foreign universities.

ALL CANDIDATES FOR ADMISSION shall have satisfactorily completed, in an approved college, at least the following minimum requirements, in which a semester hour is the credit value of at least sixteen weeks' work, consisting of one hour of lecture or recitation *or* two or more hours of laboratory work, per week.

1. Physics, 6 semester hours, including laboratory work.

2. Chemistry, 12 semester hours (8 hours of inorganic, including qualitative analysis and 4 hours of organic chemistry). Quantitative analysis is recommended but not required.

3. Biology (Zoology), 6 semester hours, including laboratory work. In addition to this minimum requirement, a course in general histology with embryology including the early development of the frog and chick is very desirable. Courses in the comparative anatomy of vertebrates and elementary histological technique are also recommended.

4. English, 6 semester hours.

5. Modern language, 6 semester hours—French or German.

6. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology and abnormal psychology are properly subjects of the medical, and not of the pre-medical curriculum. In planning pre-medical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum. It is also suggested that students follow mathematics of college grade up to and including calculus, if advanced work in the medical sciences is contemplated.

APPLICATIONS FOR ADMISSION

All applications and inquiries regarding admission are to be addressed to the Assistant Dean, from whom application forms may be obtained. Applications for admission should be submitted not later than January of the calendar year in which admission is desired, and should be followed promptly by an official transcript of the college record. A recent unmounted photograph of the applicant must be attached to each application.

All applicants, if requested, are required to present themselves *in person by appointment* at the office of the Assistant Dean at some time after their credentials have been submitted. Exception may be made in the case of applicants living at great distances.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. Candidates are notified as promptly as possible of the decision of the Committee. Accepted applicants are required to make a deposit of one hundred dollars within a specified time, usually about two weeks after notification of admission. This deposit is *not returnable*, but is credited toward the first tuition payment. If he fails to make this deposit within the time specified the applicant forfeits his place in the medical college.

A medical student's qualifying certificate, issued by the New York State Education Department signifying that its requirements have been met, must be secured before registration by each student accepted for admission. An application blank for the certificate with full instructions will be sent by the college to each student admitted.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing under the following conditions:

Applications for advanced standing should be filed according to the procedure described for admission to the first year class, accepted applicants being required to make the same deposit of one hundred dollars. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must also present a certificate of honorable dismissal from the medical school or schools they have attended.

Examinations may be required in any of the medical courses taken at another school.

EXAMINATIONS AND PROMOTIONS

I. **ADVANCEMENT.** Students are advanced in their course upon recommendation of the Committee on Promotion and Graduation, which is composed of the heads of departments or their representatives responsible for the more important courses of each year. Usually at

the end of each term the Committee reviews the work of each student, evaluating his progress from the standpoint of the effort he puts into his work, his seriousness of purpose and his scholastic resourcefulness. No grades are ever announced to students.

II. EXAMINATIONS. Examinations for advancement, graduation, and admission to advanced standing are held at the close of the academic year, except that in each course extending through a part of the year only, examinations may be held at the close of the course in the hours allotted thereto.

Students who fail in more than 40 per cent of the required hours of the first or subsequent years, must withdraw from the medical college. Students failing in less than the number of hours prescribed above may be reexamined, but only after pursuing additional work, under the direction of the head of the department in which a failure has occurred, throughout at least one term, or during a summer vacation.

Students who fail on reexamination are required to withdraw from the medical college, unless under special circumstances they are permitted by the Committee on Promotion and Graduation to repeat courses in which failures have occurred. Students repeating any work may be forbidden by the committee to take all or some of the courses they would normally carry.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the faculty, be required at any time to withdraw from the medical college.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character. They must have spent at least four years of study as matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum, must have passed all prescribed examinations, and be free from indebtedness to the college. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

In New York State all credentials for admission to examinations for license should be filed with the State Education Department at least fifteen days before the examinations are held. In 1937 these examinations will be held in February, June, and September (dates to be announced) at New York, Albany, Syracuse, and Buffalo. For complete information write to The Secretary, Board of Medical Licensure, Albany, New York.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is accepted by the Surgeons-General of the Army and Public Health Service of the United States and by the boards of medical licensure of forty-one states, Puerto Rico, Hawaii, and the Canal Zone. This certificate is also recognized by the respective authorities of England, Scotland, and Ireland. For information write to The National Board of Medical Examiners, 225 South Fifteenth Street, Philadelphia, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

All fees for instruction and other charges are paid at the Business Office of the Medical College, Room F-108, 1300 York Avenue, New York, N. Y.

TUITION FEE \$500 per year.

This fee is payable at the beginning of the academic year or in two equal parts, in which case the first payment must be made at registration and the second on January 15. No refund or rebate will be made in any case.

An advance of \$100 on account of tuition is required of all applicants accepted for admission *and is not returnable*. At matriculation it is credited toward tuition.

MATRICULATION FEE \$10

This fee is payable only once, on admission.

BREAKAGE DEPOSIT \$10

This deposit is to be made at the beginning of each academic year, and will be returned, less the amount charged for breakage, at the end of the year.

OBSTETRICS FEE \$10

This is a special fee, payable at the beginning of the *third* year.

FINAL EXAMINATION FEE \$25

This fee is payable on registration for graduation.

STUDENTS OF THE GRADUATE SCHOOL:

For fees, see page 90.

SPECIAL STUDENTS:

MATRICULATION AND ADMINISTRATION FEE \$15

TUITION: Fees vary depending upon the type of work taken. See sections describing the courses offered. A breakage fee may be required.

All students entering the medical college are required to provide themselves with satisfactory microscopes. Haemocytometers and haemoglobinometers will be required at the beginning of the third trimester of the second year. The necessary books are conservatively estimated to cost about \$50 per year.

All students should assure themselves that they can carry the financial burdens involved with reasonable certainty up to the time of graduation. Experience has proved that the student will need his entire time and undivided interest for study. It is unwise to depend upon earning any part of one's expenses during the college year. A student indebted to the college is ineligible for graduation.

STUDENT HEALTH SERVICE

All members of the first year class and all students transferred from other colleges are required to have a thorough physical examination by a member of the staff assigned by the college physician. All students are re-examined at the end of their medical course, and an x-ray examination of the lungs is made yearly. Regular daily office hours are held by the Student Health Service staff. Students pay no fees for the services of this staff. Health records are kept, and students are advised concerning their physical condition and general health. All cases of illness must be reported immediately to the college physician. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the college health service is expected. A woman physician on the staff is available for women students.

SCHOLARSHIPS*

1. THE JOHN METCALFE POLK SCHOLARSHIP. A gift under the will of William Mecklenberg Polk, the first Dean of the medical college is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. THE THORNE SHAW SCHOLARSHIP FUND. This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the medical college.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the medical college.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session, and public announcement is made at the opening of the subsequent session in September.

3. MARY F. HALL SCHOLARSHIP. The income, amounting to about \$120 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a *bona fide* resident of the State of New York and was such prior to admission to the college.

LOAN FUNDS

1. THE 1923 LOAN FUND. This fund amounts to \$400 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. ALUMNI ASSOCIATION LOAN FUND. The Alumni Association of the medical college has set aside sufficient funds to aid several students in meeting their tuition expenses. This fund will be administered by

*Scholarships are awarded primarily for merit, with need a secondary consideration.

the medical college in cooperation with a committee of the Alumni Association. Students receiving aid from this fund will, as a general rule, be selected from the upper classes.

3. **STUDENT LOAN FUND.** This fund has been collected by the students of the medical college, and is available for students of the third or fourth year class who are in need of immediate financial assistance.

PRIZES

1. **FOR GENERAL EFFICIENCY.** In commemoration of John Metcalfe Polk, an instructor in this college, who was graduated from Cornell University Medical College on June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. **FOR EFFICIENCY IN GYNECOLOGY.** Established by Mrs. W. M. Polk in memory of William Mecklenburg Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its founding in 1898 until his death, June 23, 1918, annual prizes are awarded to three members of the senior class, in order of merit, for special distinction in gynecology. The first prize is \$125, the second \$75, and the third \$50.

3. **FOR EFFICIENCY IN OTOLOGY.** Two prizes, the first of \$50, the second of \$25, are offered by Professor Frederick Whiting to the two students of the graduating class who make the best records in otology.

4. **FOR EFFICIENCY IN OBSTETRICS.** Two prizes, the first of \$60, the second of \$30, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. **FOR EFFICIENCY IN GENERAL MEDICINE.** The income of \$1,000 is offered as a prize for general efficiency in the Department of Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. **FOR EFFICIENCY IN RESEARCH.** In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the medical college, two prizes are offered to regularly matriculated students of the Cornell University Medical College, the first of \$200, and the second of \$50.

The awards are made annually at the opening exercises of the medical college in September for the best reports presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single

text or reference book. If the papers submitted are not considered worthy of special commendation the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked, "Dean William Mecklenburg Polk Memorial Prize Committee," and must be in the Dean's Office not later than the first day of September.

The committee of awards for this prize consists of two members of the faculty from laboratory departments, and two from clinical departments.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

The medical college is divided into thirteen major departments, six of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, bacteriology and immunology, pathology, and pharmacology. Seven departments have as their major functions the study, treatment, and prevention of human disease, and maternity care. These are medicine, surgery, pediatrics, psychiatry, obstetrics and gynecology, public health and preventive medicine, and applied pathology and bacteriology.

The heads of these major departments, together with the President of the University, and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the college.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of Medicine includes at least one, and often many more years of graduate medical education as interne or resident of a hospital, either in clinical or laboratory work, or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-four weeks each. It is planned that studies may be pursued during vacation periods. This will provide an opportunity to shorten the time necessary to complete all required courses and allow more time for elective work. Study in other medical schools may also be arranged during the course if opportunities can be found.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the college to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy

of publication. It is therefore desirable for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course, but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology and psycho-biology. It is divided into trimesters.

During the second year the required courses in physiology, pathology, bacteriology and immunology, pharmacology and medicine occupy the first two trimesters. The last is devoted to technical training preparatory to the study of patients, courses being given in the subjects of applied pathology and bacteriology, neurology and neuro-pathology and ophthalmology.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third and fourth year classes meet together at noon each day for clinical lectures and demonstrations and for clinical-pathological conferences.

Time for elective work is provided in the fourth year, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

The details of the courses offered by each department are to be found in the departmental announcements.

The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total Hours by Departments</i>
ANATOMY	433	33			766
HISTOLOGY	212				
NEURO-ANATOMY	88				
BIOCHEMISTRY	247				247
PHYSIOLOGY	132	132			264
PHARMACOLOGY		132			132
BACTERIOLOGY		152			152
PATHOLOGY		304			328
NEUROPATHOLOGY		24			
APPLIED PATHOLOGY AND BACTERIOLOGY		132			132
MEDICINE			342	331	844
PHYSICAL DIAGNOSIS		143			
NEUROLOGY		12			
DERMATOLOGY			16		
SURGERY (including Ortho- pedics and Urology)			342	297	677
OPHTHALMOLOGY		22			
OTOLARYNGOLOGY			16		
OBSTETRICS AND GYNECOLOGY			167	365 Min.	532
PEDIATRICS		12	133	72	217
PSYCHIATRY			66	94	193
PSYCHOBIOLOGY	22	(11)*			
PSYCHOPATHOLOGY		11			
PUBLIC HEALTH			88	34	122
RADIOLOGY			8		8
LEGAL MEDICINE				12	12
ELECTIVE				(128)	(128)
TOTAL	1134	1109	1178	1205	4626

*Elective for students who have not had Psychobiology in the first year.

ANATOMY

CHARLES R. STOCKARD, Professor of Anatomy.
CHARLES V. MORRILL, Associate Professor of Anatomy.
GEORGE PAPANICOLAOU, Assistant Professor of Anatomy.
JOSÉ F. NONIDEZ, Assistant Professor of Anatomy.
PHILIP B. ARMSTRONG, Assistant Professor of Anatomy.
LOUIS F. HAUSMAN, Associate in Neuro-Anatomy.
EMILIA M. VICARI, Research Associate in Anatomy.
OSCAR D. ANDERSON, Associate in Anatomy.
CHESTER LOOMIS YNTEMA, Instructor in Anatomy.
WILLIAM T. JAMES, Assistant in Anatomy.
WALTER R. SPOFFORD, Assistant in Anatomy.

I. MORPHOLOGY

STRUCTURE OF MAN. This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts, organs and systems is also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to emphasize the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conference, 22 hours (optional). Professor STOCKARD.

II. EMBRYOLOGY AND HISTOLOGY

The work in embryology presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. The course is closely correlated with that of gross anatomy.

The work in histology includes the histogenesis and microscopic structure of all organs of the human body with the exception of the central nervous system (See Neuro-anatomy). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and practice is given in rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

A part of the course is devoted to seminars on current literature.

Laboratory course and lectures, 212 hours, October to March. Required of all first year students. Assistant Professor NONIDEZ, Dr. YNTEMA, and assistants.

III. NEURO-ANATOMY

A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term. Assistant Professor NONIDÉZ and Dr. HAUSMAN.

IV. GROSS ANATOMY OF THE HUMAN BODY

This is taught by means of laboratory exercises and dissections. The required work includes: (a) Dissection of the part. (b) Demonstrations, study and discussion upon dissected and prepared specimens, and from standard text-books.

Total laboratory hours, 430 (minimum). First and second terms of the first year.

Course 1. A DEMONSTRATION COURSE. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year. Optional for the first year students.

Course 2. STUDY ROOM COURSE IN LIVE ANATOMY. Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first year students.

Course 3. DISSECTION REVIEW. The work gives an opportunity for advanced dissection. Optional to students of the second, third, or fourth years. Afternoons.

Course 4. TOPOGRAPHICAL ANATOMY. A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 33 hours. Required during the third trimester of the second year. Professors STOCKARD, MORRILL, ARMSTRONG, and assistants.

V ELECTIVE COURSES

Course 1. PREPARATORY TO THE SPECIALTIES. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems: (a) the eye; (b) the ear; (c) the face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid, and parathyroid glands; (d) the genito-urinary system, male and female; (e) the brain and spinal cord; (f) the thorax and abdomen; (g) the extremities, especially the joints and their mechanics. Laboratory, 40 hours. Professor STOCKARD.

Course 2. GENERAL HISTOLOGY. This course will comprise a study of the various types of tissues which form the several organs of the

vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures. Assistant Professor NONIDIZ.

Course 3. THE ANATOMY OF THE INFANT. A course of lectures amplified by demonstrations and the study of preparations.

Twenty demonstrations arranged for in advance. Professor STOCKARD.

Course 4. DEVELOPMENTAL ARRESTS AND STRUCTURAL DEFICIENCIES. A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor STOCKARD.

Course 5. EXPERIMENTAL EMBRYOLOGY. These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from several points of view.

Twenty lectures with conferences considering the recent literature of the subject. Professor STOCKARD.

Course 6. REGIONAL ANATOMY. This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for one month.

Associate Professor MORRILL and assistants.

Course 7. ANATOMICAL RESEARCH. To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

OTHER ELECTIVES. The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

COURSES OPEN TO SPECIAL STUDENTS

1. EMBRYOLOGY. September to March. Fee \$50. Details, page 59.

2. HISTOLOGICAL TECHNIC.* Laboratory at least three hours daily and conferences with instructors. Fee \$30.

*Courses may be begun at any time.

3 and 4. GENERAL HISTOLOGY AND MICROSCOPICAL ANATOMY. September to March. Fee \$50. Details on page 59.

5. DISSECTION.* See Courses I-IV, page 59. Fee \$30 per term (ten weeks); or for the entire dissection, \$50.

6. NEURO-ANATOMY. March to May. Fee \$30. Details on page 60.

7. ANATOMICAL RESEARCH.* Subject to special arrangement with the head of the department.

BIOCHEMISTRY

STANLEY R. BENEDICT, Professor of Biochemistry.

RICHARD W. JACKSON, Assistant Professor of Biochemistry.

WILLIAM H. SUMMERSON, Instructor in Biochemistry.

NATHAN F. BLAU, Research Associate in Biochemistry.

WILLIAM M. CAHILL, Instructor in Biochemistry.

JEANETTE ALLEN BEHRE, Instructor in Biochemistry.

ELEANOR B. NEWTON, Instructor in Biochemistry.

GERTRUDE GOTTSCHALL, Assistant in Biochemistry.

The instruction in biochemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology, and medicine.

LECTURES. There are three conferences a week on physical chemistry during the first term. The elements of the subject are presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.

During the second term two lectures a week are devoted to organic and physiological chemistry. The lectures discuss groups of compounds of special biological importance, emphasizing the carbohydrates, purines, amino acids and fats.

In the third term two lectures weekly are devoted to physiological chemistry.

LABORATORY WORK. During the first term there is one session weekly of two hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogenion determination are also studied.

In the second term there are five hours weekly in organic and physiological chemistry. This work is directed mainly to the study of organic compounds of biological importance, and furnishes practice on those points in which laboratory manipulations are desirable.

During the third term there are two four-hour laboratory sessions weekly in physiological chemistry. This course includes the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and

*These courses may be begun at any time.

the bile, and their actions in digestion; of the urine, blood, and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

Total hours, 247.

RESEARCH. The laboratory is open to students of any year who desire to pursue advanced work or research, subject to the regulations of the office.

ELECTIVE COURSES

CHEMICAL PATHOLOGY. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

COURSES OPEN TO SPECIAL STUDENTS

1. PHYSICAL CHEMISTRY AS APPLIED TO MEDICINE.* Eleven weeks, two lectures, one laboratory period. Fee \$25.

2. PHYSIOLOGICAL CHEMISTRY.* Two terms, of ten and eleven weeks each. Two lectures and two laboratory periods each week. Fee \$25 per term.

3. CHEMICAL PATHOLOGY.* A practical course in methods of blood analysis. Two three-hour periods a week for one month. Fee \$25.

4. RESEARCH WORK IN PHYSIOLOGICAL CHEMISTRY, CHEMICAL PATHOLOGY, OR TOXICOLOGY.* Hours and fee to be arranged with each student.

PHYSIOLOGY

JOSEPH C. HINSEY, Professor of Physiology.

DAYTON J. EDWARDS, Associate Professor of Physiology.

WILLIAM H. CHAMBERS, Assistant Professor of Physiology.

ROBERT A. PHILLIPS, Assistant Professor of Physiology.

KENDRICK HARE, Instructor in Physiology.

First Year. Lectures, laboratory and conferences. Physiology of muscle and nerve, the central nervous system, the special senses, digestion and internal secretions. 132 hours.

Second Year. Lectures, laboratory and conferences. Physiology of the blood, circulation, respiration, and metabolism. 132 hours.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. PHYSIOLOGY. Fee \$50 for each term.

2. PHYSIOLOGICAL RESEARCH.* Subject to special arrangement with the head of the department.

*Courses may be begun at any time.

BACTERIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Bacteriology and Immunology.
 JOHN Y. SUGG, Assistant Professor of Bacteriology and Immunology.
 JAMES R. DAWSON, JR., Instructor in Bacteriology and Immunology.
 JOHN C. PETERSON, Assistant in Bacteriology and Immunology.
 EVELYN JAFFE, Research Assistant in Bacteriology and Immunology.

The course given to second year students consists of lectures, laboratory work, and group conferences. Emphasis is placed upon the aspects of bacteriology and of immunology that are pertinent to an understanding of the etiology and pathogenesis of infectious diseases. The study of infectious material from patients is included in the laboratory part of the course, not only to acquaint the student with the technical procedures, but to illustrate the application of fundamental principles to practical methods. 152 hours.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to bacteriology and immunology.

PATHOLOGY

GENERAL PATHOLOGY, PATHOLOGICAL ANATOMY, EXPERIMENTAL PATHOLOGY

EUGENE L. OPIE, Professor of Pathology.
 JAMES EWING, Professor of Oncology.
 ROBERT A. MOORE, Assistant Professor of Pathology.
 JACOB FURTH, Assistant Professor of Pathology.
 JULES FREUND, Assistant Professor of Pathology.
 LEWIS D. STEVENSON, Assistant Professor of Neuropathology.
 FRED W. STEWART, Associate in Pathology.
 CHARLES T. OLCOTT, Instructor in Pathology.
 HENRY W. FERRIS, Instructor in Pathology.
 D. MURRAY ANGEVINE, Instructor in Pathology.
 MILTON HELPERN, Instructor in Pathology.
 ROBERT BURLINGHAM, Assistant in Pathology.
 JACOB WERNE, Assistant in Pathology.
 JOHN W. HALL, JR., Assistant in Pathology.

GENERAL PATHOLOGY

FACILITIES. The department of pathology occupies three floors of the central part of the college building, conveniently located above the library and in immediate contact with the hospital, the autopsy room being in the connecting wing between college and hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and class rooms are found. The fourth and fifth floors are chiefly unit

laboratories for staff members and graduate students and for technical preparation. In addition, adequate animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The pathological service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at New York Hospital have been preserved since 1851 and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION. The course of instruction is given in the second and third trimesters of the second year. Gross and histological lesions, their pathogenesis and correlation with disturbed function are studied; there are experiments, lectures and class room demonstrations. This is supplemented by study of gross pathology at the autopsy table. The course begins with the degenerations, inflammation and repair, and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

COURSE I. GENERAL PATHOLOGY. Laboratory work with lectures and gross and microscopical demonstrations. The work covers inflammation, degeneration, regeneration, infectious diseases and tumors.

Required in the second trimester of the second year.

COURSE II. SYSTEMIC PATHOLOGY. Laboratory work with lectures on the pathology of various organ systems.

Required in the second trimester of the second year. Total courses I and II, 304 hours.

Professors OPIE, MOORE, FREUND, FURTH and staff.

COURSE III. NEUROPATHOLOGY. The pathology of the nervous system is studied and altered structure and function correlated. Dr. STEVENSON.

COURSE IV. CLINICAL PATHOLOGICAL CONFERENCES. These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of disease are correlated with changes found at autopsy.

ELECTIVE COURSES

A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of several fields, to be determined by consultation with the head of the department. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months, and may be continued into the summer.

A clerkship of one month at Memorial Hospital, under the direction of Dr. James Ewing and Dr. Frank Adair, is open to senior students each month of the academic year. Instruction is offered in the pathology, diagnosis, and treatment of cancer and related diseases.

COURSE OPEN TO STUDENTS OF THE GRADUATE SCHOOL

Opportunity is afforded a limited number of students to engage in research under the direction of a member of the department. The student must devote his entire time to work in pathology and related subjects. By special arrangement this work may be pursued at the Memorial Hospital in cancer research.

PHARMACOLOGY

McKEEN CATTELL, Associate Professor of Pharmacology.

HARRY GOLD, Assistant Professor of Pharmacology.

JANET TRAVELL, Instructor in Pharmacology.

WALTER MODELL, Assistant in Pharmacology.

Course 1. LABORATORY. The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures.

Course 2. LECTURES. Lectures, conferences and written reviews on systematic pharmacology.

Course 3. ELEMENTARY PHARMACY AND TOXICOLOGY. Consideration of crude drugs, and making pharmacopeial preparations of the different pharmaceutical classes (extracts, pills, etc.) and toxicologic analysis. Each laboratory exercise is preceded by an informal discussion of the work and its relation to pharmacology.

Course 4. PRESCRIPTION WRITING. A course of eight hours.

Course 5. RESEARCH. Students are encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others. Elective.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to pharmacology.

COURSES OPEN TO SPECIAL STUDENTS

Course 1. LABORATORY PHARMACOLOGY. Under supervision and including conferences with instructor. Fee \$25.

Course 2. RESEARCH WORK IN PHARMACOLOGY.* Subject to special arrangement with the head of the department.

*This course may be begun at any time.

APPLIED PATHOLOGY AND BACTERIOLOGY

WILLIAM J. ELSE, Professor of Applied Pathology and Bacteriology.

RALPH G. STILLMAN, Assistant Professor of Clinical Pathology.

GEORGE W. WHEELER, Assistant Professor of Applied Bacteriology.

MATTHEW WALZER, Lecturer in Allergy.

GUSTAV I. STEFFEN, Instructor in Applied Bacteriology.

RUTH THOMAS, Instructor in Applied Bacteriology.

ELIZABETH WATSON, Instructor in Applied Bacteriology.

The introductory required course is given in the third trimester of the second year. It consists of 132 hours of lectures and laboratory work. This time is devoted to the discussion of the theory, practice and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied will include chemical, morphological, serological and animal inoculation methods which are of value as diagnostic procedures. There will be included discussion of the clinical significance of findings. In addition, certain allergic phenomena will be presented in lecture and demonstration and their clinical relationship discussed.

MEDICINE

EUGENE F. DuBOIS, Professor of Medicine.

LEWIS A. CONNER, Professor of Clinical Medicine.

WILLIAM R. WILLIAMS, Professor of Clinical Medicine.

WALTER L. NILES, Professor of Clinical Medicine.

MALCOLM GOODRIDGE, Professor of Clinical Medicine.

JOSEPH C. ROPER, Professor of Clinical Medicine.

RUSSEL L. CECIL, Professor of Clinical Medicine.

WILLIAM S. LADD, Professor of Clinical Medicine.

HENRY B. RICHARDSON, Associate Professor of Medicine.

HAROLD J. STEWART, Associate Professor of Medicine.

WILLIAM C. THRO, Associate Professor of Medicine.

HENRY JAMES SPENCER, Associate Professor of Clinical Medicine.

CONNIE M. GUION, Associate Professor of Clinical Medicine.

HENRY BEEUWKES, Assistant Professor of Medicine.

PAUL REZNIKOFF, Assistant Professor of Medicine.

EPHRAIM SHORR, Assistant Professor of Medicine.

BRUCE WEBSTER, Assistant Professor of Medicine.

HAROLD G. WOLFF, Assistant Professor of Medicine.

WENDELL J. STAINSBY, Assistant Professor of Medicine.

ROBERT A. COOKE, Assistant Professor of Clinical Medicine.

LLOYD F. CRAVER, Assistant Professor of Clinical Medicine.

EDWARD CUSSLER, Assistant Professor of Clinical Medicine.

CARY EGGLESTON, Assistant Professor of Clinical Medicine.

HORACE S. BALDWIN, Assistant Professor of Clinical Medicine.

ARTHUR L. HOLLAND, Assistant Professor of Clinical Medicine.

ASA L. LINCOLN, Assistant Professor of Clinical Medicine.

EDGAR MAYER, Assistant Professor of Clinical Medicine.

HAROLD E. B. PARDEE, Assistant Professor of Clinical Medicine.
JOHN H. RICHARDS, Assistant Professor of Clinical Medicine.
EDWARD TOLSTOI, Assistant Professor of Clinical Medicine.
HARRY A. BRAY, Lecturer in Tuberculosis.
JOHN E. DEITRICK, Instructor in Medicine.
HENRY S. DUNNING, Instructor in Medicine.
RICHARD G. HAHN, Instructor in Medicine.
ADE T. MILHORAT, Instructor in Medicine.
EDITH E. NICHOLLS, Instructor in Medicine.
THEODORE W. OPPEL, Instructor in Medicine.
EDWARD P. ROEMER, Instructor in Medicine.
ARTHUR J. ANTENUCCI, Instructor in Clinical Medicine.
ABRAHAM A. ANTOVILLE, Instructor in Clinical Medicine.
BENJAMIN I. ASHE, Instructor in Clinical Medicine.
JAMES R. BEARD, JR., Instructor in Clinical Medicine.
ZACHARIAS BERCOVITZ, Instructor in Clinical Medicine.
JAMES M. BETHEA, Instructor in Clinical Medicine.
GEORGE E. BINKLEY, Instructor in Clinical Medicine.
JACOB BUCKSTEIN, Instructor in Clinical Medicine.
EDWARD A. BURKHARDT, Instructor in Clinical Medicine.
LAILA COSTON-CONNOR, Instructor in Clinical Medicine.
EDWARD M. DODD, Instructor in Clinical Medicine.
JOHN C. DUNDEE, Instructor in Clinical Medicine.
A. WILBUR DURYEE, Instructor in Clinical Medicine.
FRANK M. FALCONER, Instructor in Clinical Medicine.
EMIL A. FALK, Instructor in Clinical Medicine.
JOHN M. GIBBONS, Instructor in Clinical Medicine.
DAVID GLUSKER, Instructor in Clinical Medicine.
ARTHUR W. GRACE, Instructor in Clinical Medicine.
SIDNEY GREENBERG, Instructor in Clinical Medicine.
EDWIN T. HAUSER, Instructor in Clinical Medicine.
LOUIS A. HAUSER, Instructor in Clinical Medicine.
MILTON HELPERN, Instructor in Clinical Medicine.
EVELYN HOLT, Instructor in Clinical Medicine.
LESLIE A. HOMRICH, Instructor in Clinical Medicine.
LEIF Y. JACOBSEN, Instructor in Clinical Medicine.
SCOTT JOHNSON, Instructor in Clinical Medicine.
MAURICE B. KAGAN, Instructor in Clinical Medicine.
ESTELLE KLEIBER, Instructor in Clinical Medicine.
MILTON M. KRAMER, Instructor in Clinical Medicine.
MICHAEL LAKE, Instructor in Clinical Medicine.
DOROTHEA LEMCKE, Instructor in Clinical Medicine.
LEON I. LEVINE, Instructor in Clinical Medicine.
ROBERT M. LINTZ, Instructor in Clinical Medicine.
JANE LOCKWOOD, Instructor in Clinical Medicine.
ROBERT O. LOEBEL, Instructor in Clinical Medicine.
KIRBY MARTIN, Instructor in Clinical Medicine.
A. PARKS McCOMBS, Instructor in Clinical Medicine.
L. MARY MOENCH, Instructor in Clinical Medicine.

DOUGLASS PALMER, Instructor in Clinical Medicine.
 NORMAN PAPAE, Instructor in Clinical Medicine.
 FRANK H. PETERS, Instructor in Clinical Medicine.
 NORMAN PLUMMER, Instructor in Clinical Medicine.
 HERBERT POLLACK, Instructor in Clinical Medicine.
 ADA C. REID, Instructor in Clinical Medicine.
 SOPHIE A. ROOT, Instructor in Clinical Medicine.
 THERESA SCANLAN, Instructor in Clinical Medicine.
 AARON D. SPIELMAN, Instructor in Clinical Medicine.
 JOHN W. STICKNEY, Instructor in Clinical Medicine.
 WILLIAM D. STUBENBORD, Instructor in Clinical Medicine.
 LEONARD TARR, Instructor in Clinical Medicine.
 GURNEY TAYLOR, Instructor in Clinical Medicine.
 MARIAN TYNDALL, Instructor in Clinical Medicine.
 STEPHEN WHITE, Instructor in Clinical Medicine.
 BYARD WILLIAMS, Instructor in Clinical Medicine.
 DAN H. WITT, Instructor in Clinical Medicine.
 IRVING S. WRIGHT, Instructor in Clinical Medicine.
 GEORGE J. YOUNG, Instructor in Clinical Medicine.
 VERONICA C. BROWN, Assistant in Medicine.
 JOHN R. GRAHAM, Assistant in Medicine.
 ROBERT C. KIRK, Assistant in Medicine.
 BYRD LEAVELL, Assistant in Medicine.
 ROBERT B. MCKITTRICK, Assistant in Medicine.
 ROBERT F. WATSON, Assistant in Medicine.
 CHARLES H. WHEELER, JR., Assistant in Medicine.
 ISABEL M. LONDON, Assistant in Clinical Medicine.
 RALPH E. OESTING, Fellow in Medicine.

NEUROLOGY

FOSTER KENNEDY, Professor of Clinical Neurology.
 LEWIS D. STEVENSON, Associate Professor of Clinical Neurology.
 LOUIS F. HAUSMAN, Assistant Professor of Clinical Neurology.
 AARON BELL, Instructor in Clinical Neurology.
 PETER G. DENKER, Instructor in Clinical Neurology.
 ALFRED H. EHRENCLOU, Instructor in Clinical Neurology.
 OLGA KNOPF, Instructor in Clinical Neurology.
 ALEXANDER WOLF, Instructor in Clinical Neurology.
 S. BERNARD WORTIS, Instructor in Clinical Neurology.

DERMATOLOGY

HANS J. SCHWARTZ, Professor of Clinical Medicine.
 FIELDING L. TAYLOR, Associate in Clinical Medicine.
 RAY H. RULISON, Associate in Clinical Medicine.
 WILLIAM M. ARCHER, Instructor in Clinical Medicine.
 ANDREW J. GILMOUR, Instructor in Clinical Medicine.
 JOHN H. HARRIS, Instructor in Clinical Medicine.
 ARTHUR F. KRAETZER, Instructor in Clinical Medicine.
 GEORGE M. LEWIS, Instructor in Clinical Medicine.
 HENRY D. NILES, Instructor in Clinical Medicine.

GENERAL MEDICINE

Students begin their course in medicine in the second and third trimesters of the second year with a course in physical diagnosis under Dr. Stewart. They are introduced to this subject in the second trimester (two afternoons a week) by means of lectures, demonstrations and practical work on normal subjects and patients. In the third trimester they spend two mornings a week with the patients either on the wards or in the out patient department. The course in neurology and neuropathology under Dr. Wolff and Dr. Stevenson is given on Tuesday and Friday from 9 to 12 during the last six weeks of the third trimester.

In the first eight weeks of the second trimester of the third year, lectures, clinics, and practical demonstrations are given to the entire class in dermatology and syphilis. In each trimester one third of the class will be in the wards as clinical clerks in medicine.

The medical wards of New York Hospital under the supervision of Dr. DuBois comprise four public pavilions totalling 109 beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the care of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. The other subdepartments are on the same basis. These are circulation, hematology, infections, and metabolism. All of these have beds at their disposal although the majority of patients are assigned to the general service rather than to any one subdivision. An active pulmonary service has been organized in close cooperation with the surgical service and pediatric service. In addition facilities are available for the treatment of contagious diseases, such as the exanthemata, and are being used to an increasing extent.

The clinical clerkship at the New York Hospital is under the direction of Dr. DuBois and Dr. Richardson. The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as practical, namely the recording in the hospital records of his own histories and laboratory examinations. These together with his physical examinations are supervised by the house staff. Additional teaching consists in daily teaching rounds with the visiting staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by the clinics, pathological conferences and seminars which are held throughout the academic year.

Students are allowed to elect a clerkship at Bellevue Hospital under Dr. Spencer instead of the above. The methods of teaching are much the same as at New York Hospital and emphasis is placed on the firm grounding of students in the fundamental facts of the main subdi-

visions of internal medicine. In addition to clinical, laboratory, and autopsy facilities, textbooks, collateral reading, bedside clinics, and pathological conferences are employed. By these means the various systems of the body are studied with an ordered approach. The more important therapeutic measures are also discussed. Time is reserved to each student for the study of selected cases. This clerkship is not offered during the summer.

The senior students are divided into four groups each of which devotes one quarter of the college year to general medicine and the medical specialties. They spend the quarter under the direction of Dr. Reznikoff in the out patient department of New York Hospital, where they are assigned in small groups to sections in general medicine and clinics devoted to special studies such as neurology, dermatology and syphilis, diabetes, gastro-intestinal diseases, diseases of the circulatory system, diseases of the lungs, endocrine conditions, hematology, arthritis, and allergy. Other special departments of the clinic such as physiotherapy, dietotherapy and social service are open to the fourth year clerks. The practical work with the patients will be supplemented by seminars, clinics, lectures, demonstrations and weekly presentations of subjects by the students themselves. This clerkship can be taken during the summer months by a limited number of students. Modification of the course may be made to suit individual requirements.

Amphitheatre clinics will be held each week during the academic year. These will be given separately to third and fourth year students to conform to their respective stage of development. In place of some clinics, seminars will be offered to each class. These will be given to relatively small groups and the student will have a choice of instructors. The object is to supplement the clerkships by the presentation of the important phases of medicine, and particularly to stimulate individual reading and discussion. Clinical-pathological conferences organized by the Department of Pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

During the summer months students will be given the opportunity of taking their third and fourth year clerkships at the New York Hospital. By so doing they may anticipate the work of the following year and spend the equivalent time in elective work.

Each month one-eighth of the fourth year class will be free for elective work. A variety of courses is available to these students. In many instances more than one course is offered on a single subject so that the student may make a choice of instructors. Opportunities will be given in the special clinics devoted to diseases of the circulatory system, lungs, metabolism, internal secretions, neurology, syphilis and dermatology, hematology, arthritis, allergy, and gastro-intestinal disorders. Electives in general medicine and its subdivisions are offered at Bellevue Hospital during the academic year. Arrangements are made during the third and fourth years for special work in tuberculosis

under Dr. Bray at the New York State Hospital for Incipient Tuberculosis. This includes elective courses during the academic year and internships during the summer.

Students who wish to do research, either in the wards or in the laboratories, or who have problems in which they are interested, will be given every encouragement within the limits of the time at their disposal.

As mentioned above, diseases of the nervous system are organized under the department of medicine and are included in the electives as well as in the medical clerkship. In addition the following is available:

NEUROLOGY: The Neurological Service at Bellevue Hospital under Dr. Foster Kennedy offers unusual opportunities for clinical study and special investigation. It consists of male and female wards for the study of medical and surgical neurology. In addition, the laboratory for experimental neurology under the direction of Dr. Wortis, and the laboratory for neuropathology under the direction of Dr. Stevenson, are integrated with the medical and surgical work. All these services are available for the instruction of graduate and undergraduate students.

OBSTETRICS AND GYNECOLOGY

HENRICUS J. STANDER, Professor of Obstetrics and Gynecology.

HERBERT F. TRAUT, Associate Professor of Obstetrics and Gynecology.

JAMES A. HARRAR, Associate Professor of Clinical Obstetrics and Gynecology.

R. GORDON DOUGLAS, Assistant Professor of Obstetrics and Gynecology.

C. FREDERIC JELLINGHAUS, Assistant Professor of Clinical Obstetrics and Gynecology.

HERVEY C. WILLIAMSON, Assistant Professor of Clinical Obstetrics and Gynecology.

LUCIUS A. WING, Assistant Professor of Clinical Obstetrics and Gynecology.

JOHN F. McGRATH, Assistant Professor of Clinical Obstetrics and Gynecology.

BYRON H. GOFF, Assistant Professor of Clinical Obstetrics and Gynecology.

KATHERINE KUDER, Instructor in Obstetrics and Gynecology.

ANDREW A. MARCHETTI, Instructor in Obstetrics and Gynecology.

CLOYCE R. TEW, Instructor in Obstetrics and Gynecology.

OGDEN F. CONKEY, Instructor in Clinical Obstetrics and Gynecology.

EDWARD H. DENNEN, Instructor in Clinical Obstetrics and Gynecology.

LYNN L. FULKERSON, Instructor in Clinical Obstetrics and Gynecology.

ARTHUR V. GREELEY, Instructor in Clinical Obstetrics and Gynecology.

WILLIAM H. HAWKINS, Instructor in Clinical Obstetrics and Gynecology.

HOWARD S. McCANDLISH, Instructor in Clinical Obstetrics and Gynecology.

CHARLES M. McLANE, Instructor in Clinical Obstetrics and Gynecology.

JOSEPH N. NATHANSON, Instructor in Clinical Obstetrics and Gynecology.

MEYER ROSENSOHN, Instructor in Clinical Obstetrics and Gynecology.

KYLE B. STEELE, Instructor in Clinical Obstetrics and Gynecology.

RALPH W. GAUSE, Assistant in Obstetrics and Gynecology.

DONALD R. NELSON, Assistant in Obstetrics and Gynecology.

LUDWIG NEUGARTEN, Assistant in Clinical Obstetrics and Gynecology.

ROBERT L. CRAIG, Assistant in Clinical Obstetrics and Gynecology.

OSCAR GLASSMAN, Assistant in Clinical Obstetrics and Gynecology.

JOHN A. O'REGAN, Assistant in Clinical Obstetrics and Gynecology.

NELSON B. SACKETT, Assistant in Clinical Obstetrics and Gynecology.

LESTER BOSSERT, Assistant in Obstetrics and Gynecology.

ARTHUR M. FARIS, Assistant in Obstetrics and Gynecology.

THOMAS D. TYSON, Assistant in Obstetrics and Gynecology.

JACOB T. SHERMAN, Assistant in Clinical Obstetrics and Gynecology.

FRANK R. SMITH, Assistant in Clinical Obstetrics and Gynecology.

CHARLES T. SNYDER, Assistant in Clinical Obstetrics and Gynecology.

JOHN B. PASTORE, Research Fellow in Obstetrics and Gynecology.

GENERAL STATEMENT

FACILITIES: The Woman's Clinic of the New York Hospital provides 164 beds for teaching purposes in obstetrics and gynecology. The students are given practical instruction in the delivery and operating rooms, as well as on the wards, where they serve as clinical clerks. In addition they work in the out-patient department clinics of gynecology, obstetrics, cystoscopy, and sterility.

An outdoor delivery service is conducted in conjunction with the Woman's Clinic. The facilities of the John E. Berwind Free Maternity Clinic afford an unusual opportunity for students to conduct home deliveries under careful supervision by the attending and resident staff. There are approximately 75 deliveries a month on this service.

The total obstetrical service, hospital and home, cares for approximately 3700 confinements a year, while the gynecological section admits about 700 patients annually.

I. THIRD YEAR

COURSE 1. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY. This course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

Tuesday and Saturday, 12-1 P. M.: throughout the year, to the whole class. Professors STANDER, TRAUT, HARRAR, WILLIAMSON, DOUGLAS, and MARCHETTI.

Course 2. PRACTICAL INSTRUCTION. The courses offered are (a) palpation; (b) pelvic examination; (c) manikin exercises; (d) obstetrical and gynecological pathology; (e) obstetrical and gynecological bacteriology and isolation technic.

To one-third of the class, instruction will be given Monday, Wednesday, and Friday from 9-12, throughout one trimester.

Course 3. WARD ROUNDS. Monday, 10-11 A. M., and Friday, 9-10 A. M. Professor STANDER and staff.

Total hours, 167.

II. FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY. This course comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will live in the Woman's Clinic and the Berwind Clinic for a period of two months, during which time he will act as a clinical assistant in the obstetrical and gynecological departments, hospital wards, and delivery and operating rooms. He will be provided with sleeping accommodations, but not with board.

The practical work includes the prenatal care of many patients, attending them in labor, their delivery, as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients, and to follow these patients through diagnostic and therapeutic procedures.

Two months' residence throughout the quarter. Minimum, 365 hours. Because of the nature of the service, night and holiday work is required.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY. A certain number of students will be accepted for periods of one month to serve as assistants in the clinic.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics.

OSCAR M. SCHLOSS, Professor of Clinical Pediatrics.

JESSE F. SAMMIS, Assistant Professor of Clinical Pediatrics.

LOUIS C. SCHROEDER, Assistant Professor of Clinical Pediatrics.

PHILIP M. STIMSON, Assistant Professor of Clinical Pediatrics.

MAY G. WILSON, Assistant Professor of Clinical Pediatrics.

MILTON J. E. SENN, Associate in Pediatrics.

ARTHUR F. ANDERSON, Associate in Clinical Pediatrics.

ROBERT O. DUBOIS, Associate in Clinical Pediatrics.

CARL H. SMITH, Associate in Clinical Pediatrics.

PARKER DOOLEY, Instructor in Pediatrics.

JOHN E. FRANKLIN, Instructor in Pediatrics.

HARRY GORDON, Instructor in Pediatrics.

VERNON W. LIPPARD, Instructor in Pediatrics.

WILLIAM SCHMIDT, Instructor in Pediatrics.

HAROLD B. ADAMS, Instructor in Clinical Pediatrics.
 M. BERNARD BRAHDY, Instructor in Clinical Pediatrics.
 CLEMENT B. P. COBB, Instructor in Clinical Pediatrics.
 HELEN HARRINGTON, Instructor in Clinical Pediatrics.
 FREDERICK C. HUNT, Instructor in Clinical Pediatrics.
 HEDWIG KOENIG, Instructor in Clinical Pediatrics.
 MILTON I. LEVINE, Instructor in Clinical Pediatrics.
 CHARLES H. O'REGAN, Instructor in Clinical Pediatrics.
 BENJAMIN McL. SPOCK, Instructor in Clinical Pediatrics.
 T. DURLAND VAN ORDEN, Instructor in Clinical Pediatrics.
 THOMAS E. WALDIE, Instructor in Clinical Pediatrics.
 CARL E. WEIGELE, Instructor in Clinical Pediatrics.
 MARJORIE A. WHEATLEY, Instructor in Clinical Pediatrics.
 CHARLES J. BAKER, Assistant in Pediatrics.
 GLADYS J. FASHENA, Assistant in Pediatrics.
 WILLIAM O. KOPEL, Assistant in Pediatrics.
 ELEANOR MARPLES, Research Assistant in Pediatrics.
 THISTLE M. MCKEE, Assistant in Pediatrics.
 THOMAS B. WALKER, Assistant in Pediatrics.

SECOND YEAR. During the last six weeks of the third trimester a course will be given on the principles of nutrition and the art of infant feeding. Total hours, 12.

THIRD YEAR. A clinical lecture once a week throughout the entire school year presents cases illustrating diseases peculiar to early life. Groups of students are assigned to the wards where they are given instruction in diagnosis and treatment. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 133.

FOURTH YEAR. Groups of students are on duty in the out-patient department. Here they gain experience in history taking, physical examination, and treatment. Total hours, 72.

ELECTIVE COURSES

Elective students serve as clinical clerks on the wards and are on duty continuously for a period of one month.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry.
 CLARENCE O. CHENEY, Professor of Clinical Psychiatry.
 PHYLLIS GREENACRE, Professor of Clinical Psychiatry.
 GEORGE W. HENRY, Associate Professor of Psychiatry.
 GERALD R. JAMEISON, Assistant Professor of Psychiatry.
 SMILEY BLANTON, Assistant Professor of Clinical Psychiatry.
 CARL A. BINGER, Assistant Professor of Clinical Medicine.
 VALER BARBU, Instructor in Psychiatry.
 NORVELLE C. LAMAR, Instructor in Psychiatry.
 LINCOLN RAHMAN, Instructor in Psychiatry.
 BURTRUM C. SCHIELE, Instructor in Psychiatry.
 EDWARD B. ALLEN, Instructor in Clinical Psychiatry.

WILLIAM H. DUNN, Instructor in Clinical Psychiatry.

B. MILDRED EVANS, Instructor in Clinical Psychiatry.

MURIEL IVIMEY, Instructor in Clinical Psychiatry.

ELIZABETH KILPATRICK, Instructor in Clinical Psychiatry.

MICHAEL P. LONERGAN, Instructor in Clinical Psychiatry.

LESLIE E. LUEHRS, Instructor in Clinical Psychiatry.

ARTHUR M. PHILLIPS, Instructor in Clinical Psychiatry.

C. DILLER RYAN, Instructor in Clinical Psychiatry.

GEORGE S. SPRAGUE, Instructor in Clinical Psychiatry.

MARION STRANAHAN, Instructor in Clinical Psychiatry.

HANS SYZ, Instructor in Clinical Psychiatry.

JAMES H. WALL, Instructor in Clinical Psychiatry.

MABEL HUSCHKA, Assistant in Psychiatry.

EDWIN E. MCNEIL, Assistant in Psychiatry.

HERBERT S. RIPLEY, Assistant in Psychiatry.

DANIEL F. BROPHY, Assistant in Clinical Psychiatry.

RALPH R. HARLOW, Assistant in Clinical Psychiatry.

ALEXANDER R. MARTIN, Assistant in Clinical Psychiatry.

BETTINA WARBURG, Assistant in Clinical Psychiatry.

KATHERINE F. WOODWARD, Assistant in Clinical Psychiatry.

The Department of Psychiatry offers instruction during each of the four years of the medical course. The science of the functions of the personality, psychobiology, is considered of fundamental importance as the groundwork for future clinical training. A series of lectures in the second year will orient the student in personality disorders and in the methods for their examination and study. In the third and fourth years this preliminary training will be utilized in the study of patients at the Payne Whitney Psychiatric Clinic and at the Manhattan State Hospital. In the third year the student will be instructed in the methods of examination and will be acquainted with the most important psychiatric reaction-types. In the Out-Patient Department, during the fourth year, he will participate in the study and treatment of the diverse problems presenting themselves in the general psychiatric consulting practice. Through instruction and practical work at the Manhattan State Hospital he will gain an understanding of a wide variety of mental disorders of various stages and especially of the organic type. The importance of personality issues in general medicine is taught on the medical wards of the New York Hospital and in the out-Patient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

First Year. Psychobiology (22 hours)

This course will acquaint the student with the functions of the personality. Through lectures and discussions he will learn the basic principles and methods of psychobiology. A study of his own personality will give him an opportunity for methodical investigation and for constructive utilization of personality functions. (Dr. DIE-
THELM.)

Second Year. Introductory Psychiatry (11 hours)

Through these lectures the student will be familiarized with the various ways in which maladjustment may occur. Emphasis is laid upon the origin and meaning of adjustmental disturbances rather than upon their grouping into clinical syndromes. This course is intended to give the student a broad conception of deviations of behavior and personality as well as to provide him with an introduction to psychiatry. Instruction in methods of examination and of history taking is included. (Dr. HENRY.)

Third Year. Courses in Psychiatry (66 hours.)

In the In-Patient Department of the Payne Whitney Psychiatric Clinic the various reaction types are presented and studied (Dr. HENRY, Dr. JAMEISON and Staff); on the medical wards of the New York Hospital personality issues in general medicine and cases where psychiatric conditions have developed are discussed (Dr. HENRY and Dr. RYAN); in the Manhattan State Hospital at Ward's Island the student will become acquainted with the great variety of acute and chronic forms of mental disorders (Dr. LONERGAN and Staff). A series of lectures, with case discussions, is given on the intellectual and emotional development in childhood, the importance of these factors and their deviations. (Dr. LAMAR and Staff.)

Fourth Year. Courses in Psychiatry (94 hours.)

In the course in the Out-Patient Department of the Payne Whitney Psychiatric Clinic, each student is assigned to an instructor and takes part in the study and treatment of individual cases, both adults and children. (Dr. GREENACRE and Staff.) At the Manhattan State Hospital the students carry out examinations of patients. (Dr. LONERGAN and Staff.)

Clinics in which the clinical, investigative and therapeutic aspects of cases presented are discussed, are given throughout the year on Wednesdays from twelve to one. (Dr. DIETHELM.)

Opportunities for elective work are provided at the Payne Whitney Psychiatric Clinic and at the Bloomingdale Hospital, White Plains, New York.

SURGERY

GEORGE J. HEUER, Professor of Surgery.

JOSHUA E. SWEET, Professor of Experimental Surgery.

N. CHANDLER FOOT, Professor of Surgical Pathology.

CHARLES E. FARR, Professor of Clinical Surgery.

JOHN A. HARTWELL, Professor of Clinical Surgery.

HENRY H. M. LYLE, Professor of Clinical Surgery.

EUGENE H. POOL, Professor of Clinical Surgery.

POL N. CORYLLOS, Professor of Clinical Surgery.

WILLIAM DeW. ANDRUS, Associate Professor of Surgery.

WILLIAM F. MACFEE, Associate Professor of Clinical Surgery.

FRANK E. ADAIR, Assistant Professor of Clinical Surgery.

SEWARD ERDMAN, Assistant Professor of Clinical Surgery.

GUILFORD S. DUDLEY, Assistant Professor of Clinical Surgery

JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.
GEORGE T. PACK, Assistant Professor of Clinical Surgery.
RUSSEL H. PATTERSON, Assistant Professor of Clinical Surgery.
MORRIS K. SMITH, Assistant Professor of Clinical Surgery.
JOHN A. VIETOR, Assistant Professor of Clinical Surgery.
BRONSON S. RAY, Associate in Surgery.
J. HERBERT CONWAY, Associate in Clinical Surgery.
FRANK N. GLENN, Associate in Clinical Surgery.
COURTNEY C. BISHOP, Instructor in Surgery.
CRANSTON W. HOLMAN, Instructor in Surgery.
HERBERT BERGAMINI, Instructor in Clinical Surgery.
JACOB BUCKSTEIN, Instructor in Clinical Radiology.
HENRY S. F. COOPER, Instructor in Clinical Surgery.
NELSON W. CORNELL, Instructor in Clinical Surgery.
PAUL A. DINEEN, Instructor in Clinical Surgery.
WADE DULEY, Instructor in Clinical Surgery.
JOHN H. GARLOCK, Instructor in Clinical Surgery.
JOSEPH E. J. KING, Instructor in Clinical Surgery.
FRANK J. MCGOWAN, Instructor in Clinical Surgery.
EDWARD W. SAUNDERS, Instructor in Clinical Surgery, and Given
Fellow in Surgical Research.
RUFUS E. STETSON, Instructor in Clinical Surgery.
JOHN E. SUTTON, JR., Instructor in Clinical Surgery.
PRESTON A. WADE, Instructor in Clinical Surgery.
W. MORRIS WEEDEN, Instructor in Clinical Surgery.
ROBERT A. WISE, Instructor in Clinical Surgery.
FRANK C. YEOMANS, Instructor in Clinical Surgery.
CHARLES G. CHILD, Assistant in Surgery.
MARY COOPER, Assistant in Surgery.
WILLIAM A. COOPER, Assistant in Surgery.
EDWARD W. DOUGLAS, Assistant in Surgery.
JOHN H. ECKEL, Assistant in Surgery.
FRANCIS GENIN, Assistant in Surgery.*
CUYLER Y. HAUCH, Assistant in Surgery.
GUSTAVUS A. HUMPHREYS, Instructor in Surgery.
ANDREW F. MCBRIDE, Assistant in Surgery.
SAMUEL W. MOORE, Assistant in Surgery.
WILLIAM F. NICKEL, Assistant in Surgery.
JOHN B. OGILVIE, Assistant in Surgery.
FLORENCE WEST, Assistant in Surgery.
ROSE ANDRÉ, Assistant in Clinical Surgery.
JOHN STAIGE DAVIS, JR., Assistant in Clinical Surgery.
ROBERT K. FELTER, Assistant in Clinical Surgery.
D. REES JENSEN, Assistant in Clinical Surgery.
WILLIAM R. SANDUSKY, Assistant in Surgery.
LESTER C. HUESTED, Assistant in Surgery.
EARL P. LASHER, JR., Assistant in Surgery.
EDGAR C. PERSON, Assistant in Surgery.

*Ophthalmology and Otolaryngology.

OPHTHALMOLOGY

BERNARD SAMUELS, Professor of Clinical Surgery.

MILTON L. BERLINER, Assistant Professor of Clinical Surgery.

CHARLES A. DRAKE, Instructor in Clinical Surgery.

ELIZABETH M. MACNAUGHER, Assistant in Clinical Surgery.

ORTHOPEDIC SURGERY

IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery.

KRISTIAN G. HANSSON, Instructor in Clinical Surgery.

OTOLARYNGOLOGY

ARTHUR PALMER, Assistant Professor of Clinical Surgery; Acting Head,
Department of Otolaryngology.

GERVAIS W. MCAULIFFE, Assistant Professor of Clinical Surgery.

JACOB APPLEBAUM, Instructor in Clinical Surgery.

EMMETT C. FITCH, Instructor in Clinical Surgery.

THOMAS J. GARRICK, Instructor in Clinical Surgery.

S. FARRAR KELLEY, Instructor in Clinical Surgery.

JAMES O. MACDONALD, Instructor in Clinical Surgery.

EDGAR M. POPE, Instructor in Clinical Surgery.

WILLIAM B. ALLAN, Assistant in Clinical Surgery.

WILLIAM H. AYRES, Assistant in Clinical Surgery.

ANNE S. BELCHER, Assistant in Clinical Surgery.

HERBERT GRAEBNER, Assistant in Clinical Surgery.

FERNAND VISTREICH, Assistant in Clinical Surgery.

UROLOGY

EDWARD L. KEYES, Professor of Clinical Surgery.

ALEXANDER R. STEVENS, Associate Professor of Clinical Surgery.

HOWARD S. JECK, Assistant Professor of Clinical Surgery.

RUSSELL S. FERGUSON, Assistant Professor of Clinical Surgery.

GUSTAVUS A. HUMPHREYS, Instructor in Surgery.

BENJAMIN S. BARRINGER, Instructor in Clinical Surgery.

MARIO D. F. BLASUCCI, Instructor in Clinical Surgery.

ARCHIE L. DEAN, JR., Instructor in Clinical Surgery.

JOHN W. DRAPER, Instructor in Clinical Surgery.

ROBERT S. HOTCHKISS, Instructor in Clinical Surgery.

ANNE E. KÜHNER, Instructor in Clinical Surgery.

ALLISTER M. McLELLAN, Instructor in Clinical Surgery.

WENDELL J. WASHBURN, Instructor in Clinical Surgery.

HARMON P. TRUAX, Assistant in Surgery.

GENERAL SURGERY

I. THIRD YEAR. The teaching of surgery begins in the first trimester of the third year during which time one third of the class is assigned for work as clinical clerks in surgery, including urology. Throughout this period the student gains experience in history taking, physical examination, and routine laboratory examination, and is brought into contact with patients with general surgical, urological, orthopedic,

ophthalmological, and otolaryngological conditions. The routine teaching consists of ward visits in general surgery and the surgical specialties, together with assigned reading and conferences. During this period surgical pathology is taught by a series of demonstrations of gross and microscopic preparations, and conferences in which the current material from surgical cases is made the basis for the discussion of various types of lesions and their pathological and surgical significance. Also during this trimester the group attends a course illustrating the principles of operative surgery. This consists of a series of operations carried out by the students upon living animals, emphasizing surgical cleanliness, aseptic technic, the control of hemorrhage, the healing of wounds, anaesthesia, etc.

In the ward teaching the facilities of the Second Surgical Division of Bellevue Hospital, St. Luke's, Memorial, and other special hospitals are available in addition to those of the New York Hospital.

II. FOURTH YEAR. Each student spends one quarter in the out-patient department of the surgical service and the allied specialties. The morning hours are devoted to the surgical clinic and the afternoon hours to the special clinics of urology, orthopedics, ophthalmology and otolaryngology, with the exception of a two-week period during which the student is assigned to the operating room and is given intensive instruction in anaesthesia. During this quarter the student is also expected to follow in the wards of the hospital those patients admitted from the out-patient department. The routine teaching consists of conferences, clinics, and assigned reading.

A surgical clinic is held one day a week at the noon hour for the students of the third and fourth years. Total hours, 297.

OPHTHALMOLOGY

During the third trimester of the second year the entire class is given laboratory instruction in the microscopy of the eye by DR. SAMUELS. In addition to normal histology, the pathology of such important diseases as uveitis, glaucoma, intra-ocular tumors, tuberculosis, injuries and simple opthalmia are covered. During the first quarter of the third year also the entire class receives a series of formal exercises in ophthalmology as a further introduction to their clinical work supplemented by exercises on the wards and in the out-patient department.

During the fourth year the student is assigned for a period of time to the ophthalmological out-patient department and in addition has the opportunity of taking further work in this subject during his elective period.

ORTHOPEDIC SURGERY

During the third year there are a number of formal exercises in this subject, which serve as an introduction to the clinical work. These are supplemented by the presentation of interesting cases on the wards and in the out-patient department during the remainder of the third and fourth years.

OTOLARYNGOLOGY

In the third year students receive instruction in the examination of the ear, nose, and throat. Anatomy of the head is reviewed and exercises in instrumentation are given. Clinical lectures, illustrated by lantern slides and by the presentation of cases, are also given during this period. In addition the student is assigned for a period to the otolaryngological out-patient department and has the opportunity to spend further time in this subject during his elective term.

UROLOGY

Teaching of urology is carried out by means of assignment of students during their clinical clerkship in the third year to urological cases on the wards and on one morning a week there is a conference and clinical demonstration of patients suffering from various urological conditions.

In the fourth year the student is assigned for a period to the urological out-patient department, and has further opportunity to pursue this subject during the elective period.

ELECTIVE COURSES

Courses are offered in advanced general surgery, surgical pathology, experimental surgery, neuro-surgery, thoracic surgery, and in the specialties of surgery; urology, orthopedics, ophthalmology and otolaryngology. Elective work combined with medicine is also offered in special clinics in the out-patient department. More detailed information regarding these electives may be had by consulting the head of the surgical department.

COURSE OFFERED TO SPECIAL STUDENTS

A special course in surgery based upon the resident system is offered to a limited number of physicians who are graduates of approved medical schools and who have completed one year's internship or its equivalent in an approved hospital. Detailed information regarding this course will be furnished on request by the head of the surgical department.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

JOHN C. TORREY, Professor of Epidemiology and Acting Head of the Department of Public Health and Preventive Medicine.

MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.

WALTER C. KLOTZ, Assistant Professor of Public Health and Preventive Medicine.

RALPH W. NAUSS, Instructor in Public Health and Preventive Medicine.

THOMAS T. MACKIE, Research Associate in Public Health and Preventive Medicine.

ELIZABETH MONTU, Research Assistant in Public Health and Preventive Medicine.

This course deals with the fundamental factors concerned in the origin, increase and control of communicable and non-communicable diseases. It is intended to familiarize the student with the opportunities for disease prevention through public health organizations and in private practice, both in urban and rural communities. Among the subjects discussed in a series of lectures are environmental control, sources and modes of infection, specific and non-specific prophylaxis, vital statistics and public health administration. Many of these subjects are illustrated by laboratory and field demonstrations.

In the fourth year the opportunities for the application of preventive medicine by medical practitioners are discussed in a series of lectures. 34 hours.

Instruction in the clinical aspects of preventive medicine is also given in connection with the courses in medicine, surgery, obstetrics, pediatrics, and the specialties.

ELECTIVE COURSES

Course 1. EPIDEMIOLOGY. A study of the factors and principles concerned in the origin, spread and abatement of the more important communicable diseases as illustrated by past and, when possible, current outbreaks. Collection of epidemiological data and statistical analyses. Conferences. Hours to be arranged.

Course 2. MEDICAL ZOOLOGY AND PARASITOLOGY. This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered. Laboratory work and conferences. Hours to be arranged.

RADIOLOGY

HARRY M. IMBODEN, Professor of Clinical Radiology.

JOHN R. CARTY, Associate Professor of Radiology.

SYDNEY WEINTRAUB, Assistant Professor of Clinical Radiology.

ALLAN TUGGLE, Instructor in Radiology.

E. FORREST MERRILL, Instructor in Clinical Radiology.

IRVING SCHWARTZ, Instructor in Clinical Radiology.

STEPHEN WHITE, Instructor in Clinical Radiology.

RADIOLOGY AND RADIOTHERAPY

This course is planned to give an introduction to the fundamentals of radiology in order that the student may more intelligently utilize this aid to diagnosis and therapy. The course consists of didactic lectures and section work. Emphasis is laid on instruction given in connection with the clinical findings. New methods in diagnosis and therapy are discussed, and the limitations and scope of the particular method stressed.

The lectures begin with a consideration of the principles of the physics involved, followed by a discussion of the findings in the various systems on the fluoroscopic screen and film.

Radiotherapy will be discussed, particularly the indications for and limitations of this method of treatment in various pathological conditions. Special emphasis is laid on the use of x-ray therapy as a diagnostic measure. Attention will also be paid to the use of x-ray therapy in non-malignant conditions.

LEGAL MEDICINE

An elective course in legal medicine is scheduled during the last quarter of the fourth year. The course covers autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; it deals with the forensic aspect of the subject in cases of indemnity, liability, and criminal prosecution. The course consists of a series of lectures given by Dr. Milton Helpert of the Department of Medicine and Dr. Jacob Werne of the Department of Pathology.

A second elective course, presenting the opportunity for study of pathological material of medico-legal cases is offered by Dr. Milton Helpert in connection with his service in the Medical Examiner's Office of the Borough of Manhattan and is held at the City Mortuary, Bellevue Hospital.

FIRST YEAR SCHEDULE

FIRST TRIMESTER

SEPT. 29-DEC. 19

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
9-10	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy		
10-11								
11-12								
12-1	Histology	Biochemistry	Free	Biochemistry	Biochemistry			
2-3		Histology						
3-4				Biochemistry	Histology			
4-5				(Spec. Lect.)				

SECOND TRIMESTER

JAN. 4-MARCH 20

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Histology	Anatomy	Anatomy* Histology*	Anatomy	Histology	Anatomy
10-11						
11-12						
12-1		Biochemistry		Biochemistry		Biochemistry
2-3	Anatomy	Biochemistry	Free	Biochemistry	Anatomy	
3-4						
4-5				(Spec. Lect.)		

*Approximately 7 sessions will be devoted to Anatomy and 4 to Histology.

THIRD TRIMESTER

MAR. 22-JUNE 5

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Neuro-anatomy	Biochemistry	Psychobiology	Physiology	Neuro-anatomy
10-11				Neuro-anatomy		
11-12		Biochemistry		Physiology		
12-1	Psychobiology	Physiology	Free	Physiology	Physiology	Physiology
2-3	Library* Lecture			Physiology		
3-4				(Spec. Lect.)		
4-5						

() When scheduled.

*Three lectures only

SECOND YEAR SCHEDULE

FIRST TRIMESTER

SEPT. 29-DEC. 19

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Physiology	Pharmacology	Pharmacology	Pharmacology	Physiology
10-11				Physiology	Psychobiology*	
11-12						
12-1	Physiology					
1-2	Bacteriology	Physiology	Free	Bacteriology		
2-3						
3-4						
4-5						

*Elective for students who have not taken the work in the first year.

SECOND TRIMESTER

JAN. 4-MARCH 20

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
2-3	Physical Diagnosis	Bacteriology	Free	Bacteriology	Physical Diagnosis	
3-4						
4-5				(Spec. Lect.)		

(Tentative)

THIRD TRIMESTER

MARCH 22-JUNE 5

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Phys. Diag. Sect. "B." Appl. Path. "A."	Pathology* Neurology and Neuro- pathol.** Pediatrics†	Phys. Diag. Sect. "A." Appl. Path. "B."	Phys. Diag. Sect. "B." Topograph. Anatomy Section "A."	Pathology Neurology and Neuropathol. Pediatrics	Phys. Diag. Sect. "A." Topograph. Anatomy Sect. "B."
10-11						
11-12						
12-1	Applied Pathology and Bacteriology Ophthalmology	Applied Pathology and Bacteriology	Free	Applied Pathology and Bacteriology (Spec. Lect.)	Applied Pathology and Bacteriology Ophthal. Path.	Psychopathology
1-2						
2-3						
3-4						
4-5						

*Pathology 9-1 first five weeks.

†Pediatrics 12-1 last six weeks.

**Neurology and Neuropathology last six weeks.

THIRD YEAR SCHEDULE

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Medicine (1); Surgery (2); Obstetrics, Pediatrics, Psychiatry (3) Group B: Surgery (1); Obstetrics, Pediatrics, Psychiatry (2); Medicine (3) Group C: Obstetrics, Pediatrics, Psychiatry (1); Medicine (2); Surgery (3)					
10-11						
11-12						
12-1	Medicine	Ob. & Gyn.	Pediatrics	Pb. Health	Surgery	Ob. & Gyn.
2-3	Groups as Above		Pb. Health** Dermatol- ogy**	Groups as Above		
3-4	C.P.C.* 3:30-5		Otolaryngol- ogy**			
4-5			Radiology**			
				(Spec. Lect.)		

*Regular section work takes precedence over C. P. C.

() When scheduled.

DETAILED SCHEDULE: OBSTETRICS, PEDIATRICS, PSYCHIATRY

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Obstetrics and Gynecology	Pediatrics	Obstetrics and Gynecology	Pediatrics	Obstetrics and Gynecology	Psychiatry
10-11						
11-12						
12-1	Medicine	Ob. & Gyn.	Pediatrics	Pb. Health	Surgery	Ob. & Gyn.
2-3	C.P.C. 3:30-5	1/2 Group Pediatrics	Otolaryngol.** Dermatology** Pb. Health** Radiology**	(Spec. Lect.)	1/2 Group Pediatrics	
3-4						
4-5						

**Public Health 2-5 18 wks. 54 hrs. September 29-December 19 and Apr. 26-June 5.
12-1 34 wks. 34 hrs.

**Dermatology 2-4 8 wks. 16 hrs. January 4-February 27.

**Radiology 4-5 8 wks. 8 hrs. January 4-February 27.

**Otolaryngology 2-4 8 wks. 16 hrs. March 1-April 24.

FOURTH YEAR SCHEDULE

1935-1936

QUARTER SCHEDULE

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Surgery (1), Pediatrics, Psychiatry, Elective (2), Medicine (3), Ob. and Gyn. (4). Group B: Medicine (1), Ob. and Gyn. (2), Surgery (3), Pediatrics, Psychiatry, Elective (4). Group C: Pediatrics, Psychiatry, Elective (1), Medicine (2), Ob. and Gyn. (3), Surgery (4). Group D: Ob. and Gyn. (1), Surgery (2), Pediatrics, Psychiatry, Elective (3), Medicine (4).					
10-11						
11-12						
12-1						
2-3	Clinical Pathological Conference†					
3-4						
4-5						

DETAILED SCHEDULE: PEDIATRICS AND PSYCHIATRY

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pediatrics		Psychiatry	Pediatrics		
10-11						
11-12						
12-1	Medicine	Legal Medicine*	Psychiatry	Medicine	Surgery	Pb. Health
2-3	Psychiatry		Pediatrics	Psychiatry		
3-4						
4-5						

†Regular section work takes precedence over clinical pathological conference.

() When scheduled.

*12 Lectures.

GRADUATE STUDENTS AND SPECIAL STUDENTS

Cornell University Medical College is primarily concerned with preparing young men and women for the degree of Doctor of Medicine, and does not choose to emphasize work for degrees of other character. There are, however, from time to time unusual opportunities for advanced work other than that required for the degree of Doctor of Medicine. This work may be special work leading to no degree, inviting those singularly fitted for such studies, or work presented by the curriculum of the Graduate School.

To avoid misunderstanding in the use of the terms *Graduate School*, *Graduate Students*, *Post-Graduate Students*, and *Special Students*, the following statement is made:

Students not pursuing the regular courses leading to the degree of Doctor of Medicine may be—

I. STUDENTS OF THE GRADUATE SCHOOL. Students in Cornell University Graduate School may be of two classes: (a) those registered for an advanced degree and (b) those not registered for an advanced degree.

II. SPECIAL STUDENTS. All students *not registered in Cornell University Graduate School and not registered for the M.D. degree* are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the Administrative Offices of the medical college and must pay their fees at the business office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

Although Cornell University Medical College intends to develop special opportunities for advanced work of high quality in the medical sciences and in the clinical fields, it does not at present offer work corresponding to that usually described as *clinical post-graduate work*. Work offered to post-graduate students at present will demand a prolonged period of residence as does other graduate work. Such work is not credited toward an advanced degree unless the student be regularly registered for such a degree in the Graduate School of Cornell University and unless the work in question is in the curriculum of the Graduate School. Usually students admitted for post-graduate work of this type will hold either the M.D. or Ph.D. degree and in addition will have had several years of practical work. Unless they hold positions on the resident staff, they must register at the Administrative Offices, pay the requisite fees, and receive a permit of attendance. For fees see courses listed under departmental announcements.

THE GRADUATE SCHOOL

Those contemplating entering Cornell University Graduate School should refer to the Announcement of the Graduate School, which can be obtained by addressing the Dean of the Graduate School at Ithaca, N. Y.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the pre-clinical departments of the Cornell University Medical College in New York City offer graduate instruction as an integral part (Group F) of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Law, the College of Engineering, and the New York State Colleges of Agriculture, Home Economics and Veterinary Medicine—or other institutions in which the requirements for the first degree are substantially equivalent—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York city, and working under the direction of members of the faculty connected with Cornell University Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the medical college who give instruction to graduate students constitute Group F of the Faculty of the Graduate School. Professor C. V. MORRILL, Chairman of Group F, will advise with applicants for admission to the Graduate School at the medical college in New York. Applications may be addressed to the Office of the Dean of Cornell University Medical College, New York, or to the Dean of the Graduate School, Cornell University, Ithaca, N. Y.

FEES

MATRICULATION FEE	\$11
This fee is required of every student upon entrance into Cornell University. It must be paid at the time of registration.	
TUITION FEE	\$150
This fee for the academic year is to be paid by all students registered in the Graduate School.	
ADMINISTRATION FEE	\$25
This fee is to be paid by all students registered in the Graduate School.	
BREAKAGE FEE	\$10
This deposit is to be made at the beginning of each academic year, and will be returned, less the amount charged for breakage or loss, at the end of the year.	
GRADUATION FEE	\$20
This fee is required at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The fee will be returned if the degree is not conferred.	

THE FACULTY OF MEDICINE AT ITHACA

- LIVINGSTON FARRAND, A.B., M.D., L.H.D., LL.D., President.
ALBERT RUSSELL MANN, A.M., D.Sc., D.Agr., LL.D., Provost of the University.
ABRAM TUCKER KERR, B.S., M.D., Secretary of the Medical College at Ithaca; Professor of Anatomy.
SIMON HENRY GAGE, B.S., Professor of Histology and Embryology, *Emeritus*.
BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., Professor of Histology and Embryology.
JAMES BATCHELLER SUMNER, A.M., Ph.D., Professor of Biochemistry.
HOWARD SCOTT LIDDELL, A.M., Ph.D., Professor of Physiology.
JAMES WENCELAS PAPEZ, A.B., M.D., Assistant Professor of Anatomy and Neurology.
HOWARD BERNHARDT ADELMANN, A.M., Ph.D., Assistant Professor of Histology and Embryology.
JOSEPH ALMA DYE, A.B., Ph.D., Assistant Professor of Physiology.
GEORGE HARRISON MAUGHAN, A.M., Ph.D., Instructor in Physiology.
STACEY F. HOWELL, A.B., M.S., Ph.D., Instructor in Biochemistry.
———, Instructor in Biochemistry.
———, Instructor in Histology and Embryology.
ALEXANDER L. DOUNCE, A.B., Ph.D., Instructor in Biochemistry
———, Assistant in Histology and Embryology.
CLARENCE E. KLAPPER, A.B., A.M., Assistant in Histology and Embryology.
WAYNE RUNDLES, A.B., Assistant in Anatomy.
LISGAR BOWNE ECKARDT, A.B., A.M., Assistant in Anatomy.
PARK D. KELLER, B.S., Assistant in Anatomy.
M. NOBLE BATES, A.B., M.A., Assistant in Histology and Embryology.
WARNER S. HAMMOND, A.B., Assistant in Histology and Embryology.

INSTRUCTION AT ITHACA

DURING THE FIRST YEAR OF THE COURSE

CALENDAR FOR ITHACA, 1936-37

FIRST TERM

Sept.	28	Monday—Registration and assignment of new students.
Sept.	29	Tuesday—Registration and assignment of old students.
Oct.	1	Thursday—Instruction begins.
Oct.	17	Thursday—Last day for payment of tuition for first term.
Nov.	25	Wednesday—Instruction ends at 6 P. M.
Nov.	30	Monday—Instruction resumed at 8 A. M.
Dec.	19	Saturday—Instruction ends at 1 P. M. (Christmas recess).
Jan.	4	Monday—Instruction resumed at 8 A. M.
Jan.	11	Monday—Founder's Day.
Feb.	1	Monday—Term examinations begin.
Feb.	10	Wednesday—Term examinations end; first term closes.
Feb.	11	Thursday—Holiday.

SECOND TERM

Feb.	12	Friday—Registration of all students for the second term.
Feb.	15	Monday—Instruction begins at 8 A. M.
Mar.	8	Monday—Last day for payment of tuition for second term.
April	3	Saturday—Instruction ends at 1 P. M. (Spring recess).
April	12	Monday—Instruction resumed at 8 A. M.
May	—	Saturday—(Holiday) Spring and Navy Day.
June	7	Monday—Final examinations begin.
June	15	Tuesday—Final examinations end.
June	21	Monday—Commencement.

GENERAL STATEMENT

From its foundation, Cornell University has offered special courses for students preparing for the study of medicine.

Among the facilities of the university of special value to the medical college may be mentioned the museums of vertebrate and invertebrate zoology (including entomology and comparative anatomy), of agriculture, of botany, of geology, and of veterinary medicine. The University Library with its 760,810 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other university students.

STIMSON HALL. This is a modern and thoroughly equipped laboratory building erected for the medical college at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the medical college. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology.

In the cellar are sound-proof conditioned reflex rooms, the cold-storage, embalming, cremating rooms, and storerooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, research rooms, and an advanced laboratory for histology, besides the lower part of the large amphitheatre. Here also is the operating room for physiology.

On the first floor are the coat rooms for men and women, college office, library, reading room, faculty room, histology and embryology research laboratory, general laboratory for experimental physiology, demonstration and metabolism room for physiology, and the upper part of the large amphitheatre.

On the second floor is the Department of Histology and Embryology with a large general laboratory, research laboratory, preparation rooms, and private laboratories for the instructors. On this floor also is the Department of Physiology, with a large general laboratory for biochemistry, research laboratories for biochemistry, a research laboratory for experimental physiology, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, dark room, radiology room and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating skeletons, and for storage.

THE VANCLEEF MEMORIAL LIBRARY. This library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, is situated in Stimson Hall and supplements the extensive facilities of the university library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with daylight lamp fixtures.

EXPERIMENTAL FIELD STATION. An important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the medical college. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. A laboratory equipped for the study of conditioned reflexes has been constructed in which it is possible, due to the quiet environment, to provide an experimental room practically sound-proof. This is essential for success in the investigation of conditioned reflexes. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

THE SARAH MANNING SAGE RESEARCH FUND. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the university the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

PLAN OF INSTRUCTION

ANATOMY

ABRAM T. KERR, Professor of Anatomy.

JAMES W. PAPEZ, Assistant Professor of Anatomy and Neurology.

LISGAR BOWNE ECKARDT, Assistant.

WAYNE RUNDLES, Assistant.

PARK D. KELLER, Assistant.

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five on week days, except Saturday. Twenty-five hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject.

The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional, or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly and independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body.

An x-ray outfit and fluoroscope in the department make it possible in many regions to compare the x-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention is given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations is available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. *Anatomy of the Head and Neck.*

First term. Credit, 4 hours, 24 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. *Anatomy of the Thoracic Walls and Viscera.*

First term. Credit, 1 hour, 24 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. *Anatomy of the Abdominal and Pelvic Walls and Viscera.*

First term. Credit, 4 hours, 24 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. *The Nervous System. Anatomy, Histology, and Systematization.*

Second term. Credit, 3 hours. Assistant Professor Papez and instructors. Eight hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and the development of the nervous system.

6. *Anatomy of the Living Body.*

First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of Courses 1, 2, and 3.

7. *Anatomy of the Upper Extremity.*

First term. Credit, 2 hours, 24 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. *Anatomy of the Lower Extremity.*

Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection and conferences.

9. *Topographical Anatomy.*

First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professors Kerr and Papez.

250. *Research in Anatomy and Neurology.*

First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

HISTOLOGY AND EMBRYOLOGY

BENJAMIN F. KINGSBURY, Professor of Histology and Embryology.
 HOWARD B. ADELMANN, Assistant Professor of Histology and Embryology.

_____, Instructor in Histology and Embryology.

_____, Assistant in Histology and Embryology.

CLARENCE E. KLAPPER, Assistant in Histology and Embryology.

M. NOBLE BATES, Assistant in Histology and Embryology.

WARNER S. HAMMOND, Assistant in Histology and Embryology.

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories in histology and embryology and, also, opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes. Camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are available in sufficient numbers to give each student opportunity for personally learning to use and apply them to any special study in which they may be needed. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are well lighted. They consist of a large general laboratory, an advanced laboratory, a preparation room, department office and five private laboratories for the instructing staff, where special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in Course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 107 and 108. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the Announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE

10. *Histology*.

First term. Credit, 8 hours. Professor Kingsbury and assistants. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 104).

ADVANCED AND ELECTIVE COURSES

107. *Advanced Work in Histology and Embryology.*

First and second terms. Professor Kingsbury and Assistant Professor Adelman. Laboratory work, eight or more actual hours a week, with Seminary (Course 108).

This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 107 is open to those who have had Course 10, or its equivalent. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the department as early as possible, so that the work may be planned to the best advantage.

108. *Seminary.*

First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the department staff and those doing advanced work in the department. It may be taken in connection with Course 107.

PHYSIOLOGY AND BIOCHEMISTRY

JAMES B. SUMNER, Professor of Biochemistry.

HOWARD S. LIDDELL, Professor of Physiology.

JOSEPH A. DYE, Assistant Professor of Physiology.

GEORGE H. MAUGHAN, Instructor in Physiology.

STACEY F. HOWELL, Instructor in Biochemistry.

ALEXANDER L. DOUNCE, Instructor in Biochemistry.

PHYSIOLOGY

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

Nine hours a week are devoted to practical exercises, special attention being given to experimental methods which are likely to be of importance in the study of clinical medicine.

In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie type kymographs of recent pattern for the exclusive use of medical students.

The following courses are offered.

31. *Physiology of Muscle and Nerve; Central and Autonomic Nervous Systems; Special Senses.*

Second term. Credit, 4 hours. Professor Liddell and assistants. Four lectures or recitations and three laboratory periods weekly for eight weeks.

34. *Physiology of Digestion and Secretion; Absorption; Excretion; Heat Production and Its Regulation; and Functions of the Endocrine Glands.*

Second term. Credit, 4 hours. Assistant Professor Dye, Instructor Maughan, and assistant. Four lectures or recitations and three laboratory periods weekly for eight weeks, supplemented by demonstrations, conferences and written reviews. In the laboratory, the students will gain practical experience by making animal preparations, demonstrating and studying the physiological mechanisms of the mammalian body.

308. *Advanced Work and Research in Physiology.*

First and second terms. Credit, 2 or more hours. Assistant Professor Dye. Prerequisite or parallel, courses 31 and 34 or their equivalents. This course is designed for undergraduate students who are especially interested in physiological problems and wish to undertake special investigations in this field in preparation for further work toward advanced degrees.

310. *Seminary in Physiology.*

Second term. Credit, 1 hour. For graduate students and others properly qualified. Hour to be arranged. Members of the staff. Reports on recent advances in physiology.

BIOCHEMISTRY

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the composition of food-stuffs, and the phenomena of their digestion, absorption, and assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of special biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. *General Biochemistry.*

Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by demonstrations, conferences and written reviews. Professor Sumner, Instructors Howell and Dounce. Required of first-year students of medicine.

17. *Special Chapters in Biochemistry.*

First term. Credit, 1 hour. Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

320. *Advanced and Research Work in Biochemistry.*

First and second terms. Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

SUMMARIZED STATEMENT

In this schedule the counts or university hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half to three actual hours weekly for a term or half year to secure a credit of one.

REQUIRED COURSES

FIRST TERM

1. *Anatomy of the Head and Neck.*

Credit, 4 hours, 24 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. *Anatomy of the Thoracic Walls and Viscera.*

Credit, 1 hour, 24 actual hours a week for two weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. *Anatomy of the Abdominal and Pelvic Walls and Viscera.*

Credit, 4 hours, 24 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

6. *Anatomy of the Living Body.*

Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. *Anatomy of the Upper Extremity.*

Credit, 2 hours, 24 actual hours a week for 2 or more weeks. Professors Kerr and Papez, and assistants.

10. *Histology.*

Credit, 8 hours. Professors Kingsbury, Adelman, instructors and assistant. Four laboratory periods and four lectures each week.

SECOND TERM

31. *Physiology of Muscle and Nerve; Central and Autonomic Nervous Systems; Special Senses.*

Second term. Credit, 4 hours. Professor Liddell and assistants. Four lectures or recitations and three laboratory periods, weekly for eight weeks.

34. *Physiology of Digestion and Secretion; Absorption; Excretion; Heat Production and Its Regulation; Functions of the Endocrine Glands.*

Second term. Credit, 4 hours. Four lectures or recitations and three laboratory periods weekly for eight weeks, supplemented by demonstrations, conferences and written reviews. In the laboratory, the students will gain practical experience by making animal preparations, demonstrating and studying the physiological mechanisms of the mammalian body. Assistant Professor Dye, Instructor Maughan, and assistants.

15. *General Biochemistry.*

Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Professor Sumner and instructors.

5. *The Nervous System, Anatomy, Histology, and Development.*

Credit, 3 hours. Assistant Professor Papez and instructors. Eight actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. *Anatomy of the Lower Extremity.*

Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

FIRST TERM			
	<i>No. of Course</i>	<i>University Hours</i>	<i>Actual Hours Weekly</i>
Anatomy	1,2,3,7	11	24
Anatomy	6	2	3
Histology	10	8	16
		—	—
		21	43
SECOND TERM			
Anatomy	8	2	4
Physiology	31	4}	13
Physiology	34	4}	
Nervous System	5	3	8
Biochemistry	15	9	17
		—	—
		22	42

GENERAL INFORMATION

REQUIREMENTS AND APPLICATIONS FOR ADMISSION

The requirements for admission and the policies relating to applications are identical with those of the Medical College at New York City (see pages 48 and 56). Applications for enrollment in the Ithaca division may be submitted to the Secretary of the Medical College, Ithaca, New York.

RESIDENCE AND REGISTRATION

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 92.)

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS AND ADVANCEMENT

The general plan of the advancement of students from one year to the next will be found on page 50. On completion of the first year at Ithaca a transcript of record of each student, together with a statement that such student is recommended for admission to the second-year class, is transmitted by the faculty at Ithaca to the faculty of the medical college in New York city. As a student is not advanced from one year to another until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. The rules governing the eligibility of a student to take a re-examination in a course are set forth on page 50.

CHARGES FOR INSTRUCTION

FIRST YEAR

Matriculation	\$ 11
Tuition	500
	<hr/>
	\$510

Willard Straight Hall and Infirmary fees are paid by medical students as well as by all other students.

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

RESIDENTIAL HALLS

The University has eight residential halls for men students situated on the campus and furnishing accommodations for about 600 students. For particulars address The Manager of Residential Halls, Morrill Hall, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the university in Willard Straight Hall and in the Home Economics Building, where meals can be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The university publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning of the university duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College, Prudence Risley Hall, and Balch Halls. In these buildings, which are exclusively for women students, the total cost of board, laundry, and rent of furnished rooms, with heat and light is \$525 a year. The halls are heated by steam and lighted by electricity. The Dean of Women has jurisdiction over all women students in the university, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by her and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls, Morrill Hall, Ithaca, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

ITHACA, N. Y.

FIRST YEAR—SESSION OF 1936-37 —FIRST TERM

	8	9	10	11	11:30	1	2	3
Monday	Anatomy L.	Histology L.	Histology			Anatomy		
Tuesday	Anatomy					Anatomy		
Wednesday	Anatomy L.	Histology L.	Histology			Anatomy		
Thursday	Anatomy					Anatomy		
Friday	Anatomy L.	Histology L.	Histology			Anatomy		
Saturday	Histology L.		Histology					

FIRST YEAR—SESSION OF 1936-37—SECOND TERM

	8	9	10	11	11:30	1	2	3
Monday	ANATOMY					Neuro-Anatomy		
Tuesday	Biochem- istry L.	Physiology				Physiology		
Wednesday	Physiology L.	Biochem- istry L.	Biochemistry			Neuro-Anatomy		
Thursday	Physiology L.	Biochem- istry L.	Physiology			Biochemistry		
Friday	Physiology L.	Biochem- istry L.	Biochemistry			Neuro-Anatomy		
Saturday	Physiology L.	Biochem- istry L.	Biochemistry					

THE COMBINED A.B. AND M.D. DEGREES

The medical college advises students to complete, whenever feasible, the full four-year A.B. course before applying for admission to this college. It is possible, however, to be admitted to the medical college under Section II of the entrance requirements. This is to provide for those students who, by specially directed or especially proficient work, accomplish the essential requirements for the Arts degree during three years of college residence. No students are admitted under this classification unless their college faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and no student is admitted to the second year in the Medical College without the bachelor's degree obtained after at least three years of undergraduate college work.

The first year in the medical course, which may be taken in place of the fourth year of the arts work, may be pursued either in Ithaca or

in New York city. If all the work of this year is completed satisfactorily the student receives the degree of A.B. or its equivalent, and is permitted to take the last three years of the medical work. These are taken entirely in the Cornell University Medical College in New York city.

For the convenience of college students preparing for medicine there is given below a suggested outline of courses in physics, chemistry and biology which will satisfy the requirements for admission to Cornell University Medical College, as given on page 48 of this announcement. These subjects are listed with the course numbers as given in the announcement of the College of Arts and Sciences of Cornell University, but essentially similar courses are given by other institutions. These courses are arranged on the basis of three years in the College of Arts and Sciences. If a student is taking four years in a college of liberal arts, courses may be taken in later years or the order may be varied, but it is important that those courses which are prerequisites for other prescribed courses should be taken in the sequence recommended.

In addition to the subjects required for admission to the Medical College, the student will take all basically essential courses prescribed by the College of Arts and Sciences, such as English, foreign language, philosophy and psychology, history, mathematics, economics, and government.

In selecting other elective courses desirable for those preparing for medicine, the student should consult professors in the Faculty of the College of Arts and Sciences. In Cornell the major adviser would be a designated representative from the department in which he selects his major subject.

It is desirable that included in or in addition to the foreign language required for admission to the medical college, students should obtain a reading knowledge of French and German.

FIRST YEAR IN ARTS

	Course No.	1st Term Hours Credit	2nd Term Hours Credit
Animal Biology (Introductory Zoology).	1	3	3
Chemistry (Introductory Inorganic).	101		3
Chemistry (Introductory Inorganic).	105		3

SECOND YEAR IN ARTS

Animal Biology (Comparative Anatomy and morphology of vertebrates).	11	3	3
Chemistry (Introductory Qualitative Analysis).	210	3	
Physics (Introductory Experimental).	7 & 8	3	3

THIRD YEAR IN ARTS

Chemistry (Elementary Organic).	375	6	
or			
Chemistry (Introductory Organic).	305	3	3
Chemistry (Introductory Organic).	310	3	
Animal Biology (Histology and Histogenesis of the tissues).	101	4	
Animal Biology (Vertebrate Embryology).	104		5
Physics (Introductory Physical Experiments).	55	3	

GRADUATE WORK AT ITHACA

ADMISSION

The Graduate School has exclusive control of all graduate work carried on in the university. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, the New York State College of Home Economics, the Law School and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

Correspondence regarding admission should be addressed to "The Graduate School, Cornell University, Ithaca, N. Y." In many cases students may find it desirable either before or after making formal application for admission, to correspond directly with one or more professors in the proposed field of work in order to secure further information regarding facilities for advanced study and research, than is contained in this announcement. Application for admission must be made in duplicate on special forms obtainable on request, and must be filed in the office of the Graduate School in the preceding spring if possible, ordinarily not later than August 10 and January 20 for entrance to the first and second terms, respectively, and not later than June 25 for entrance to the summer session. It may be impossible to give consideration to applications received after these dates. The applicant must submit complete official transcripts of all previous collegiate studies.*

For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, references should be made to the Announcement of the Graduate School.

FACILITIES

The facilities of the departments of anatomy, histology and embryology, physiology and biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students and for medical students.

*In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:

THE SCHUYLER FELLOWSHIP IN ANIMAL BIOLOGY (annual value of \$400 and free tuition in the Graduate School).

THE GRADUATE SCHOLARSHIP IN ANIMAL BIOLOGY (annual value of \$200 and free tuition in the Graduate School).

INTERNSHIP APPOINTMENTS, CLASS OF 1936

DOCTORS OF MEDICINE, JUNE 17, 1936

Henry Jennings Babers, Jr., B.S.	New York Hospital, New York, N. Y.
Donald Nelson Ball, B.S., M.S., M.A.	Atlantic City Hospital, Atlantic City, N. J.
John Nickolas Barbey, B.S.	Monmouth Memorial Hospital, Long Branch, N. J.
Henry Kohlmann Beling, A.B.	Methodist Episcopal Hospital, Brooklyn, N. Y.
Viola Wertheim Bernard, B.S.	Jersey City Medical Center, Jersey City, N. J.
Edwin Tremain Bradley, A.B.	Union Memorial Hospital, Baltimore, Md.
William Putnam Colvin, Jr., A.B.	Jersey City Medical Center, Jersey City, N. J.
Crispin Cooke, A.B.	Strong Memorial Hospital, Rochester, N. Y.
Robert Allison Cosgrove, A.B.	Bellevue Hospital, New York, N. Y.
Arthur Charles Davis, A.B.	United Hospital, Port Chester, N. Y.
Ralph Stanton Emerson, A.B.	The Brooklyn Hospital, Brooklyn, N. Y.
Hyman Engelberg, A.B.	Cedars of Lebanon Hospital, Los Angeles, Cal.
Leston Edgar Fitch, A.B.	Jersey City Medical Center, Jersey City, N. J.
Charles Cauldwell Foote, Ph.B.	Roosevelt Hospital, New York, N. Y.
Leo David Freyberg, A.B.	Jersey City Medical Center, Jersey City, N. J.
Joseph Louis Gaster, A.B.	Harlem Hospital, New York, N. Y.
Joseph Paul Gold, A.B.	Albany Hospital, Albany, N. Y.
Edward Mason Goodwin, B.S.	Morrisania City Hospital, New York, N. Y.
John Francis Griffin, A.B.	St. Catherine's Hospital, Brooklyn, N. Y.
Samuel Pollock Harbison, A.B.	Allegheny General Hospital, Pittsburgh, Pa.
Edward Adams Hardy, A.B.	Grasslands Hospital, Valhalla, N. Y.
George Whiting Hebard, A.B.	New York Hospital, New York, N. Y.
Mary Ellen Heiss, A.B.	The Babies Hospital, New York, N. Y.
Frederic Geake Hirsch, A.B.	Lucas County Hospital, Toledo, Ohio
George Grundy Hollins, Jr., A.B.	St. Lukes Hospital, New York, N. Y.
Herbert Bolster Johnson, Ph.B.	Bellevue Hospital, New York, N. Y.
Marriott Conard Johnson, B.S., M.S.	Meadowbrook Hospital, Hempstead, N. Y.
Edward Frank Kaye, A.B.	Jersey City Medical Center, Jersey City, N. J.
Francis Raymond Keating, Jr., A.B.	Philadelphia General Hospital, Philadelphia, Pa.
Henry Augustus Kingsbury, B.S.	Roosevelt Hospital, New York, N. Y.
Wolfgang Wilhelm Klemperer	University Hospitals, Cleveland, Ohio
Julius August Klosterman, B.S., A.B., Ph.D.	No internship wanted
DeHart Krans, A.B.	Hartford Hospital, Hartford, Conn.
Philip John Kunderman, B.S.	Lenox Hill Hospital, New York, N. Y.
John Wayne Latcher, A.B.	Albany Hospital, Albany, N. Y.
Kenneth Bedell Lewis, A.B.	Nassau Hospital, Mineola, N. Y.
Evarts Greene Loomis, Jr., B.S.	Newark City Hospital, Newark, N. J.
Alvina Marjorie Loomam, A.B.	Baltimore City Hospital, Baltimore, Md.
Bernard Constant Meyer, A.B.	Montefiore Hospital, New York, N. Y.
Willis Bixler Mitchell, A.B.	Bellevue Hospital, New York, N. Y.
Charles Neumann, A.B.	New York Hospital, New York, N. Y.
John Augustus Northridge, A.B.	St. John's Hospital, Brooklyn, N. Y.
Erwin Emanuel Peters, B.S.	New York Hospital, New York, N. Y.
Francis Otto Pfaff, A.B.	Binghamton City Hospital, Binghamton, N. Y.
Edmund Otto Piehler, A.B.	Memorial Hospital, Worcester, Mass.
George Edward Pittinos, Jr., A.B.	Post-Graduate Hospital, New York, N. Y.
William Redmond Power, A.B.	St. John's Hospital, Long Island City, N. Y.
Albert Carroll Redmond, B.S.	Barnes Hospital, St. Louis, Mo.
Samuel Henry Roberts, B.S.	Jersey City Medical Center, Jersey City, N. J.
Jean Evans Rose, A.B.	Jersey City Medical Center, Jersey City, N. J.
George Adam Schumacher, B.S.	University of Pennsylvania Hospital, Philadelphia, Pa.
Donald McKay Shafer, A.B.	Staten Island Hospital, Staten Island, N. Y.
Stuart Bertine Smith, B.S.	Grasslands Hospital, Valhalla, N. Y.
Gordon Alvin Spencer, A.B.	Grasslands Hospital, Valhalla, N. Y.
Martin Howard Stein, B.S.	New Haven Hospital, New Haven, Conn.
Christopher Burton Stockton, B.S.	St. Mary's Hospital, San Francisco, Cal.
Dana Morris Street, B.S.	Duke Hospital, Durham, N. C.

Ira Teicher, B.S.	Jewish Hospital of Brooklyn, Brooklyn, N. Y.
James Frederick Thackston, B.S., A.M.	No internship wanted
Alphonse Emanuel Timpanelli, A.B.	New York Hospital, New York, N. Y.
Gordon Ira Trevett, A.B.	New York Hospital, New York, N. Y.
Samuel Richard Volpe, A.B.	Bellevue Hospital, New York, N. Y.
Charles Lawrence Whittemore, A.B.	St. Luke's Hospital, New York, N. Y.
Saul Wohl, B.S.	Lincoln Hospital, New York, N. Y.

STUDENTS, 1936-1937

FOURTH YEAR

- Shepard Gerard Aronson, A.B., 1934, Cornell University
 Stanley Sisco Atkins, A.B., 1932, Oberlin College
 William Alexander Barnes, A.B., 1933, College of the City of New York New York, N. Y.
 Ruth Barnhart, A.B., 1923, Wells College
 Frank Albert Baumann, A.B., 1933, Cornell University
 Abram Salmon Benenson, A.B., 1933, Cornell University
 James Frederick Bing, B.S., 1933, Columbia University
 Henry Seavey Blake, Jr., B.S., 1933, Washburn College
 John Hood Branson, Jr., A.B., 1933, Dartmouth College
 Julian Scott Butterworth, A.B., 1932, A.M., 1933, Cornell University
 Arthur Illges Chenoweth, A.B., 1933, University of Alabama
 Bliss Bartlett Clark, A.B., 1931, Cornell University
 Janet Cobb, A.B., 1933, Smith College
 David Aloysius Connors, B.S., 1933, Fordham University
 Carleton Montgomery Cornell, A.B., 1933, Cornell University
 Dorothea Deimel, A.B., 1933, Barnard College
 Donald Thayer Dodge, B.S., 1933, Harvard College
 Walton Meredith Edwards, A.B., 1933, Stanford University
 Walter Eugene Fleischer, B.S., 1929, Ph.D., 1933, Cornell University
 Edgar Philip Fleischmann, A.B., 1934, Cornell University
 William Thomas Foley, A.B., 1933, Columbia University
 Cornelia Jane Gaskill, B.S., 1932, Cornell University
 Ira Gore, A.B., 1934, Cornell University
 Edward James Hehre, A.B., 1934, Cornell University
 Palaemon Lawrence Hilsman, A.B., 1934, Cornell University
 Aaron Himmelstein, B.S., 1933, College of the City of New York
 Clayton Stanley Hitchins, A.B., 1934, Cornell University
 William Douglas Holden, A.B., 1934, Cornell University
 Elmer Leaman Horst, B.S., 1933, Pennsylvania State College
 Elizabeth Page Hosmer, A.B., 1933, Stanford University
 Horace Leonard Jones, Jr., A.B., 1932, Cornell University
 George Leonard Kauer, Jr., B.S., 1933, New York University
 Joseph Taylor Kauer, B.S., 1933, New York University
 Ernest Ellsworth Keet, Jr., A.B., 1934, Cornell University
 Francis Conrad Keil, Jr., A.B., 1932, Columbia University
 Putnam Cornelius Kennedy, A.B., 1934, Cornell University
 Newton Krumdieck, A.B., 1933, Columbia University
 Andrew Olavi Laakso, B.S., 1933, Tufts College
 William Caldwell Layton, A.B., 1933, Cornell University
 Harold Lohnnaas, A.B., 1933, Columbia University
 Eugene Leonard Lozner, A.B., 1933, Columbia University
 Norman William MacLeod, A.B., 1933, Cornell University
 Henry Belden Marshall, A.B., 1934, Cornell University
 George Rodney Meneely, B.S., 1933, Princeton University
 William Earl Moore, B.S. Chem., 1932, Pennsylvania Military College
 Hugh Crahan Murphy, B.S., 1933, Cornell University
 Helen Josephine Neave, A.B., 1933, Mt. Holyoke College
 William Alfred Paff, A.B., 1933, Cornell University
 William Henry Pettus, Jr., B.S., 1933, University of Richmond
 Donald Burns Read, A.B., 1933, Cornell University
 Charles Hiram Richards, B.S., 1933, New York University
 Charles Burling Roesch, A.B., 1934, Cornell University
 Arthur Merriam Rogers, A.B., 1933, Yale University
 George Parke Rouse, Jr., A.B., 1933, Amherst College
 George Schaefer, B.S., 1933, New York University
 Raymond Schwartz, A.B., 1934, Cornell University
- Brooklyn, N. Y.
 Trenton, N. J.
 New York, N. Y.
 Roanoke, Virginia
 Binghamton, N. Y.
 Napanoch, N. Y.
 New York, N. Y.
 Topeka, Kansas
 Bronxville, N. Y.
 Ithaca, N. Y.
 Birmingham, Ala.
 New Britain, Conn.
 Cleveland, Ohio
 Richmond Hill, N. Y.
 Pocantico Hills, N. Y.
 Hoboken, N. J.
 Arlington, Mass.
 Palo Alto, Cal.
 Albany, N. Y.
 Linden, N. J.
 Flushing, N. Y.
 Peekskill, N. Y.
 Brooklyn, N. Y.
 Pelham Manor, N. Y.
 Albany, Georgia
 New York, N. Y.
 Lock Haven, Pa.
 Pittsfield, Mass.
 Annville, Pa.
 Tacoma, Wash.
 Ithaca, N. Y.
 New York, N. Y.
 New York, N. Y.
 Jamaica, N. Y.
 New York, N. Y.
 Catskill, N. Y.
 New York, N. Y.
 Plainfield, Conn.
 Concordia, Kansas
 Brooklyn, N. Y.
 New York, N. Y.
 New York, N. Y.
 Horseheads, N. Y.
 Garden City, N. Y.
 Newark, N. J.
 Eastport, N. Y.
 Glen Ridge, N. J.
 Easton, Pa.
 Charleston, W. Va.
 Golden, Col.
 Port Byron, N. Y.
 Staten Island, N. Y.
 Madison, N. J.
 Ridley Park, Pa.
 Middle Village, L. I.
 Stamford, Conn.

Arthur Walter Seligmann, A.B., 1933, Columbia University
 Edwin McRae Shepherd, B.S., 1933, Hampden-Sydney College
 Irving Ernest Sisman, B.S., 1933, College of the City of New York
 Henley Sklarsky, A.B., 1934, Cornell University
 Saul Mouchley Small, B.S., 1933, College of the City of New York
 William Howard Sternberg, A.B., 1933, Cornell University
 Fayette King Stroud, A.B., 1933, Vassar College
 Kenneth Aloysius Tyler, A.B., 1934, Cornell University
 Daniel Gilroy Unangst, B.S., 1929, Rutgers University
 Edward Haughton Vincent, B.S., 1933, Harvard University
 Walter Eugene Vogt, B.S., 1933, Lafayette College
 Chauncey Prentiss Ward, A.B., 1933, Princeton University
 Charles Oscar Warren, Jr., A.B., 1927, Cornell University,
 M.Sc., 1929, Ph.D., 1933, New York University
 Richard Hutchins Whelpley, A.B., 1933, Union College
 Edwin Thurston Williams, B.S., 1933, Washburn College
 George Wineburgh, A.B., 1934, Cornell University
 Jesse Charles Woodward, A.B., 1933, University of California

New York, N. Y.
 Charleston, W. Va.
 Brooklyn, N. Y.
 Niagara Falls, N. Y.
 New York, N. Y.
 Evergreen, L. I.
 Shreveport, La.
 Ithaca, N. Y.
 Bayonne, N. J.
 Kalamazoo, Mich.
 Jamaica, N. Y.
 Newark, N. J.
 Brooklyn, N. Y.
 Rochester, N. Y.
 Topeka, Kansas
 Utica, N. Y.
 Payette, Idaho

THIRD YEAR

Lowell Ellenwood Alderman, A.B., 1934, Marietta College
 Robert Joseph Amberg, A.B., 1934, Princeton University
 Gerald Vincent Barrow, B.S., 1934, Washington State College
 Leonard Albert Barrow, B.S., 1933, University of Washington
 Talcott Bates, A.B., 1934, Princeton University
 Ruth Pirkle Berkeley, A.B., 1922, Agnes Scott College;
 M.S., 1926, Emory University
 Kingsley Bishop, A.B., 1935, Allegheny College
 Willard James Blauvelt, A.B., 1935, Cornell University
 Austin Patrick Boleman, Jr., B.S., 1934, New York University
 Madeline Burlingame, A.B., 1934, Wellesley College
 William Joseph Busch, A.B., 1934, Cornell University
 Louis T. Campbell, A.B., 1935, Cornell University
 Walter Titus Carpenter, A.B., 1934, Williams College
 Eugene Jerrin Cohen, A.B., M.S., 1934, University of Wisconsin
 William Henry Curley, Jr., B.S., 1935, Yale University
 Gustave John Dammin, A.B., 1934, Cornell University
 Wilbur George Downs, A.B., 1935, Cornell University
 Robert Stuart Dyer, A.B., 1935, Cornell University
 Aaron Robinson Edwards, A.B., 1934, Cornell University
 Alan Harold Fenton, A.B., 1934, Columbia University
 Wesley Fenton Fitzpatrick, B.S., 1928, Yale University
 Ellen Bellows Foot, A.B., 1934, Smith College
 William Isaac Glass, A.B., 1934, College of the City of New York
 Elizabeth Hull Gregory, A.B., 1934, Marietta College
 Stephen Lawrence Gumpert, A.B., 1934, Amherst College
 Lawrence Wilson Hanlon, A.B., 1935, Cornell University
 Helen Stevens Haskell, A.B., 1927, Cornell University;
 A.M., 1929, Columbia University
 Emerson Randolph Hatcher, A.B., 1934, Berea College
 Martin Joseph Healy, Jr., A.B., 1934, Holy Cross College
 Allen Wesley Hildreth, A.B., 1935, Cornell University
 Frederic Joseph Hughes, A.B., 1935, Cornell University
 John David Hunter, A.B., 1935, Cornell University
 Quentin McAdams Jones, A.B., 1935, Cornell University
 Frederick Stephen Kinder, A.B., 1934, Cornell University
 Gilbert Lacy Klemann, A.B., 1934, Williams College
 George Mahlon Knapp, A.B., 1935, Columbia University
 Robert Miller Laughlin, A.B., 1934, Ohio University
 Aaron Lee Lichtman, B.S., 1934, College of the City of New York

Marietta, Ohio
 Maplewood, N. J.
 Machias, Wash.
 Machias, Wash.
 New York, N. Y.
 New York, N. Y.
 Nyack, N. Y.
 Port Byron, N. Y.
 New York, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Brighton, Col.
 Brooklyn, N. Y.
 Worcester, Mass.
 Bridgeport, Conn.
 New York, N. Y.
 Saranac Lake, N. Y.
 Binghamton, N. Y.
 Maryville, Ohio
 Pelham, N. Y.
 Pearl River, N. Y.
 New York, N. Y.
 Bronx, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Odessa, N. Y.
 Malone, N. Y.
 Berea, Ky.
 New York, N. Y.
 Bay Shore, N. Y.
 Plainfield, N. J.
 Maplewood, N. J.
 Utica, N. Y.
 Staten Island, N. Y.
 New Rochelle, N. Y.
 Larchmont, N. Y.
 Pittsburgh, Pa.
 New York, N. Y.

- Ann Lavinia Martin, A.B., 1935, Cornell University
 Alfred Edward Maumenee, Jr., A.B., 1934, University of Alabama
 Harold Henderson Meanor, Jr., B.S., 1934, Washington & Jefferson
 Stephen Christopher Meigher, A.B., 1934, Dartmouth College
 Curtis Lester Mendelson, A.B., 1934, University of Michigan
 Clifford Wheeler Mills, A.B., 1935, Dartmouth College
 Alvin Robert Mintz, A.B., 1935, Cornell University
 Cornelia Davis Morse, A.B., 1934, Cornell University
 Stanley Fletcher Morse, Jr., A.B., 1934, Williams College
 Charles Lamar Neill, B.S., 1935, Millsaps College
 Robert Carl Nydegger, A.B., 1935, University of Wyoming
 Barnard David Patterson, A.B., 1934, Columbia University
 Charles Ressler, B.S., 1934, Lafayette College
 Joseph George Riekert, A.B., 1935, Cornell University
 George Michael Robertson, A.B., 1934, New York University
 Haskell Benjamin Rosenblum, A.B., 1933, Cornell University
 Elmer Key Sanders, B.S., 1934, Birmingham-Southern College
 Stuart Sanger, B.S., 1928, Yale University
 Ralph Hunt Seeley, Jr., A.B., 1935, Dartmouth College
 Howard Ralph Sievers, B.S., 1934, Massachusetts State College
 John James Smith, A.B., 1934, St. Peter's College
 Elizabeth Bond Stout, A.B., 1934, Wellesley College
 Hoyt Chase Taylor, A.B., 1933, A.M., 1934, Wesleyan College
 Norman Davis Thetford, A.B., 1934, Cornell University
 Marvin Loughran Thompson, A.B., 1934, Wesleyan College
 Frederick Charles Thorne, A.B., 1930, A.M., 1931, Ph.D., 1934
 Columbia University
 Stephen Herbert Tolins, A.B., 1934, Cornell University
 Daniel Michael Tolmach, A.B., 1935, Cornell University
 Arthur Friedman Valenstein, A.B., 1934, Cornell University
 Samuel Austell Wilkins, Jr., A.B., 1934, University of North Carolina
 Roger Gilbert Windsor, A.B., 1935, Cornell University
 Griffith Joel Winthrop, A.B., 1935, New York University
 Herbert John Wright, Jr., A.B., 1934, Cornell University
 New York, N. Y.
 Birmingham, Ala.
 Coraopolis, Pa.
 Schenectady, N. Y.
 New York, N. Y.
 Worcester, Mass.
 Morristown, N. J.
 Auburn, N. Y.
 Sumter, S. C.
 Ellisville, Miss.
 Laramie, Wyo.
 Queens Village, N. Y.
 Englewood, N. J.
 Richmond Hill, N. Y.
 Oswego, N. Y.
 Butler, Pa.
 Birmingham, Ala.
 New York, N. Y.
 Rutland, Vt.
 Amherst, Mass.
 Rahway, N. J.
 Pleasantville, N. Y.
 Norwich, Conn.
 Belleville, N. J.
 Jamaica, N. Y.
 Flushing, N. Y.
 New York, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Dallas, N. C.
 Maplewood, N. J.
 New York, N. Y.
 Schoharie, N. Y.

SECOND YEAR

- Thomas Pattison Almy, A.B., 1935, Cornell University
 William Stevenson Armour, A.B., 1935, Cornell University
 Thomas Lyon Ball, A.B., 1936, Cornell University
 Henry Saunder Berkowitz, A.B., 1935, Cornell University
 William Horton Bowden, B.S., 1935, Hobart College
 Raymond Milton Brown, B.S., 1935, Cornell University
 William Gunton Budington, A.B., 1936, Columbia University
 Walter Richard Buerger, A.B., 1936, Cornell University
 Francis Guy Casey, B.S., 1935, Manhattan College
 Melva Adeline Clark, A.B., 1935, Wellesley College
 Nathaniel Cohen, A.B., 1935, Cornell University
 Charles Wilson Collins, Jr., B.S., 1935, University of Virginia
 Benjamin W. Covington, Jr., B.S., 1934, Presbyterian College
 George Levering Crane, A.B., 1935, University of North Carolina
 Dorothy Morgan Currier, A.B., 1935, Pembroke College
 John Henry Dale, Jr., B.S., 1935, Hamilton College
 Alfred Dudley Dennison, Jr., A.B., 1935, Hamilton College
 Thomas Joseph Dring, B.S., 1935, Rhode Island State College
 Herman Feinstein, A.B., 1936, Cornell University
 Sarah E. Flanders, A.B., 1935, Bryn Mawr College
 J. Scott Gardner, A.B., 1935, University of Utah
 Regina Gluck, A.B., 1934, University of Wisconsin
 Henry Goebel, Jr., A.B., 1935, Columbia University
 Julian P. Griffin, B.S., 1935, Massachusetts State College
 Redding, Conn.
 East Orange, N. J.
 Mahanoy City, Pa.
 Brooklyn, N. Y.
 Geneva, N. Y.
 New York, N. Y.
 New York, N. Y.
 Eggertsville, N. Y.
 Brooklyn, N. Y.
 Hempstead, N. Y.
 Brooklyn, N. Y.
 East Orange, N. J.
 Florence, S. C.
 New York, N. Y.
 Providence, R. I.
 Englewood, N. J.
 Johnstown, N. Y.
 Newport, R. I.
 Huntington, N. Y.
 New York, N. Y.
 Cedar City, Utah
 Lawrence, N. Y.
 Jamaica, N. Y.
 Indian Orchard, Mass.

- Harvey Paterson Groesbeck, Jr., A.B., 1935, Union College
 Gert S. Gudernatsch, A.B., 1935, Cornell University
 Arthur Digby Hengerer, A.B., 1935, Hamilton College
 Edwin Harrison Hilborn, A.B., 1936, Cornell University
 Joseph Timothy Houlihan, B.S., 1935, Pennsylvania State College
 Edgar Rhuel Hyde, Jr., A.B., 1936, Dartmouth College
 Leroy Hyde, A.B., 1936, Cornell University
 Ivan Isaacs, A.B., 1935, Cornell University
 Herman Lawrence Jacobius, A.B., 1936, Columbia University
 Richard Gentry Jackson, A.B., 1935, Centre College
 Erben Anderton Jenkins, A.B., 1935, Princeton University
 Louis R. Kent, A.B., 1935, Oberlin College
 August Martin Kleeman, B.S., 1935, Harvard College
 Frederick John Knocke, A.B., 1935, Princeton University
 Edward Charles Kunkle, Jr., A.B., 1935, Haverford College
 Robert Landesman, A.B., 1936, Columbia University
 Vincent de Paul Larkin, A.B., 1935, Fordham University
 Ivar Joseph Larsen, B.S., 1935, Connecticut State College
 Louis Frederick Licht, Jr., A.B., 1935, Yale University
 James Henry Lockhart, Jr., A.B., 1935, Princeton University
 John F. Mackey, Jr., A.B., 1933, Rollins College
 Malcolm Judd Mann, A.B., 1936, Cornell University
 John Henry Mayer, Jr., A.B., 1936, Cornell University
 Mary Garrison McClintock, A.B., 1929, Smith College
 Hamilton Meeks McCroskery, A.B., 1935, Wesleyan University
 Donald Richard Morrison, B.S., 1935, Fordham University
 Hugh Mullan, B.S., 1934, U.S. Naval Academy
 Equinn William Munnell, B.A., 1935, Amherst College
 Harriett Ellen Northrup, A.B., 1936, Cornell University
 George E. Poucher, Jr., A.B., 1934, DePauw University
 Francis Zenville Reinus, A.B., 1934, Amherst College
 Charles Edward Robinson, Jr., A.B., 1936, Cornell University
 Karl Dean Rundell, A.B., 1936, Cornell University
 Charles Adrian Sand, A.B., 1936, Columbia University
 Addison Beecher Scoville, Jr., A.B., 1936, Cornell University
 Alan Gilbert Simpson, Jr., A.B., 1935, Wesleyan University
 Lois Miller Smedley, A.B., 1935, Mount Holyoke College
 Charles Steenburg, A.B., 1936, Cornell University
 Raymond Arthur Sterrett, A.B., 1926, Princeton University
 Richard Harrington Stevens, A.B., 1935, Bard College
 Arthur Churchill Stirling, A.B., 1935, Princeton University
 Joseph Deuel Sullivan, B.S., 1935, Fordham University
 Vivian Allison Tenney, A.B., 1935, Barnard College
 Ralph Raymond Tompsett, A.B., 1934, Cornell University
 LeRoy Otten Travis, A.B., 1935, Lehigh University
 John McCullough Turner, Ph.B., 1931, Yale University
 George Arthur Vassos, Jr., B.S., 1936, Massachusetts State College
 Frederick Albert Wilson, A.B., 1935, Cornell University
 Robert J. Whipple, B.S., 1935, New York University
 William Graves Woodin, A.B., 1936, Cornell University
 Harold Samuel Wright, A.B., 1936, Cornell University
 Schenectady, N. Y.
 New York, N. Y.
 Buffalo, N. Y.
 Phoenix, N. Y.
 Avoca, Pa.
 New York, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 New York, N. Y.
 Danville, Ky.
 Plainfield, N. J.
 Port Washington, N. Y.
 Maplewood, N. J.
 New York, N. Y.
 Mount Vernon, N. Y.
 New York, N. Y.
 New York, N. Y.
 Stratford, Conn.
 Great Neck, N. Y.
 Pittsburgh, Pa.
 Kansas City, Mo.
 Ithaca, N. Y.
 Kansas City, Mo.
 Brookline, Mass.
 East Orange, N. J.
 New York, N. Y.
 Staten Island, N. Y.
 Sayville, N. Y.
 Ellicottville, N. Y.
 Rochester, Pa.
 New York, N. Y.
 Brooklyn, N. Y.
 Owego, N. Y.
 San Francisco, Cal.
 Mt. Vernon, N. Y.
 Douglaston, N. Y.
 Brooklyn, N. Y.
 Spencer, N. Y.
 New York, N. Y.
 Tuckahoe, N. Y.
 Kenmore, N. Y.
 New York, N. Y.
 New York, N. Y.
 Tidioute, Pa.
 Great Neck, N. Y.
 New York, N. Y.
 Springfield, Mass.
 Sag Harbor, N. Y.
 McConnellsville, N. Y.
 Dunkirk, N. Y.
 Norwood, N. Y.

FIRST YEAR

- Henry Charles Barkhorn, Jr., A.B., 1936, Princeton University
 Lamson Blancy, B.S., 1936, Harvard College
 Everett Curme Bragg, A.B., 1936, Cornell University
 Wilhelm Henning Brauns, B.S., 1936, Hamilton College
 Ezra Volk Bridge, A.B., 1936, Cornell University
 John Veatch Brundage, A.B., 1936, Ohio State University
 Donald Campbell, B.S., 1936, Fordham University
 Newark, N. J.
 New York, N. Y.
 White Plains, N. Y.
 Buffalo, N. Y.
 Rochester, N. Y.
 Columbus, Ohio
 New York, N. Y.

James Daniel Canter, A.B., 1936, Columbia University	New York, N. Y.
William Nesbitt Chambers, A.B., 1936, Amherst College	New York, N. Y.
John Milton Chapman, A.B., 1936, Cornell University	Rochester, N. Y.
John Joseph Creedon, Columbia University*	Flushing, N. Y.
Francis Place Coombs, Colgate University*	Brattleboro, Vt.
Thomas Beveridge Dingman, B.S., 1936, Columbia University	Paterson, N. J.
James Alexander Dingwall, III, A.B., 1936, Dartmouth College	Scarsdale, N. Y.
William Augustus Donnelly, A.B., 1934, Yale University	Bridgeport, Conn.
William Francis Finn, A.B., 1936, Holy Cross College	Weehawken, N. J.
Howard Edgar Finney, B.S., 1936, Fordham University	New York, N. Y.
Helena Gilder, A.B., 1935, Vassar College	Syosset, N. Y.
Marie Elizabeth Grant, A.B., 1936, Barnard College	Summit, N. J.
Robert Purvis Grant, Cornell University*	Plandome, N. Y.
John Anthony Grimshaw, A.B., 1936, Cornell University	New Rochelle, N. Y.
Millard Benjamin Hall, B.S., 1936, Rutgers University	East Orange, N. J.
Ralph Eugene Herendeen, A.B., 1936, Princeton University	New York, N. Y.
Suzanne Adele Louise Howe, A.B., 1936, Barnard College	Garden City, N. Y.
Charles Keeling Kirby, B.S., 1936, Trinity College	Springfield, S. D.
William Murray Maurice Kirby, B.S., 1936, Trinity College	Springfield, S. D.
Frances Shaw Lansdown, A.B., 1927, H. Sophie Newcomb Memorial College	Jackson Heights, N. Y.
Edmond Peter Larkin, A.B., 1936, Amherst College	Northampton, Mass.
Charles Henry Loomis, A.B., 1936, Oberlin College	Sidney, N. Y.
Kenneth Gordon MacDonald, A.B., 1936, Washington and Lee University	Clifton, N. J.
William Wayne Manson, Cornell University*	East Orange, N. J.
John Lynn Messersmith, A.B., 1936, Cornell University	Westfield, N. J.
Francis James Murray, B.S., 1936, University of Notre Dame	Elizabeth, N. J.
Arthur Gordon Murphy, New York University*	Montclair, N. J.
William More Parke, Jr., B.S., 1936, Colgate University	Brooklyn, N. Y.
George Arthur Peck, Jr., A.B., 1936, Williams College	New York, N. Y.
Edwin Rudolph Raymaley, Jr., B.S., 1936, Bucknell University	Wilkesburg, Pa.
Robert Murray Richman, A.B., 1936, Cornell University	Brooklyn, N. Y.
Samuel Aloysius Robb, A.B., 1936, Fordham University	New York, N. Y.
Philip King Roesch, Cornell University*	Staten Island, N. Y.
Gerald Sinnott Ryan, A.B., 1936, Princeton University	Larchmont, N. Y.
Carl Julius Schmidlapp, A.B., 1935, Princeton University	Cincinnati, Ohio
Cornelius Edward Sedgwick, B.S., 1936, Bucknell University	Roselle Park, N. J.
Edward Morse Shepard, A.B., 1936, Williams College	New York, N. Y.
Robert Wilton Shreve, A.B., 1936, Cornell University	Hastings-on-Hudson, N. Y.
Stanley Snitow, B.S., 1936, College of the City of New York	New York, N. Y.
Elizabeth Elwood Spaulding, A.B., 1936, Cornell University	New York, N. Y.
Harold Burr Stevens, A.B., 1936, Cornell University	Masontown, Pa.
Ruth Lippincott Stillman, A.B., 1936, Vassar College	New York, N. Y.
Charles Matthews Strateman, A.B., 1936, Columbia University	White Plains, N. Y.
John Anthony Strazza, A.B., 1936, Princeton University	Bloomfield, N. J.
Walter Thomas Sullivan, Jr., B.S., 1932, University of Notre Dame	Auburn, N. Y.
Frank Martin Tack, A.B., 1935, Princeton University	Sewickley, Pa.
William Whitney Walker, B.S., 1936, Fordham University	New York, N. Y.
William Eric Williams, A.B., 1936, Williams College	Rutherford, N. J.
John Evans Wilson, B.S., 1936, University of Florida	Gainesville, Florida
George Anthony Wolf, Jr., B.S., 1936, New York University	Montclair, N. J.

FIRST YEAR STUDENTS AT ITHACA

Edward Topf Adelson, A.B., 1936, Cornell University	Newark, N. J.
Harry Abner Bradley, Cornell University*	Monticello, N. Y.
Robert Boyce Bryant, B.S., 1936, Middlebury College	Malone, New York
William Herster Burke, Cornell University*	Elmira, N. Y.

*Admitted under Clause II.

- Alvin Maurice Cahan, A.B., 1936, Cornell University
 George Bevan Davis, A.B., 1936, Cornell University
 Lisgar Bowne Eckardt, A.B., 1931, DePauw University, M.A., 1933, Ohio University
 Herman Israel Frank, A.B., 1936, Columbia University
 William Henry Gullledge, Cornell University*
 Keith Osmond Guthrie, Jr., Cornell University*
 Samuel Arnold Guttman, A.B., 1934, Cornell University
 Margaret Mary Hoyt, A.B., 1936, Barnard College
 Robert August Kritzler, A.B., 1936, Columbia University
 Lloyd Wayland Macfarlane, A.B., 1936, University of Utah
 Ethel Billie Powell, A.B., 1936, University of Arizona
 Henry Brainard Risley, Cornell University*
 James Bryant Rooney, Cornell University*
 Jacques Conrad Saphier, A.B., 1936, Cornell University
 Helen A. Marie Seibert, A.B., 1936, Syracuse University
 Donald Elwood Stokes, Cornell University*
 Walter Chaplain Vail, Cornell University*
 New York City
 Kingston, Penna.
 Greencastle, Ind.
 Bayonne, N. J.
 Wadesboro, N. C.
 Pleasantville, N. Y.
 New York City
 New York City
 Bayside, New York
 Cedar City, Utah
 Casa Grande, Arizona
 Brooklyn, N. Y.
 Nyack, New York
 Brooklyn, New York
 Hummelstown, Penna.
 Maplewood, N. J.
 Cortland, N. Y.

STUDENTS IN THE GRADUATE SCHOOL

Doctors of Philosophy, 1936

- Samuel Booth Barker, B.S., 1932, University of Vermont 214 East 51st St., New York
 Gertrude Younker Gottschall, B.A., 1925, Barnard College
 230 Central Park West, New York, N. Y.
 Hellen Conny Goudsmit, Amsterdam University, 94-06
 34th Road, Jackson Heights, N. Y.

Master of Arts, 1936

- Isabel M. Morgan, A.B., 1932, Stanford University
 154 East 61st Street, New York, N. Y.

Candidates for the degree of Doctor of Philosophy

- Arnoldous Goudsmit, M.D., 1933, Amsterdam University
 94-06 34th Road, Jackson Heights, N. Y.
 Olive Dorcas Hoffman, B.S., 1928, Westminster College, M.A., 1929, Oberlin College
 48 Morton Street, New York, N. Y.
 Susan Brockett Long, B.A., 1932, Wellesley College, M.S., 1934, Yale University
 398 Washington Avenue, Brooklyn, New York
 Rose Grundfest Miller, A.B., 1929, Barnard College, A.M., 1933, Radcliffe College
 310 East 55th Street, New York, N. Y.
 William H. Summerson, B.Chem., 1927, Cornell University, M.A., 1928, Cornell University
 3755-77th Street, Jackson Heights, N. Y.
 Virginia E. Trevorow, A.B., 1931, University of Denver, M.S., 1933, University of
 Colorado 319 S. Clarkson Street, Denver, Colorado
 Emilia M. Vicari, A.B., 1915, Smith College, M.A., 1917, Smith College
 210 East 77th Street, New York, N. Y.

Candidate for the degree of Master of Science

- Henderika J. Rynbergen, B.S., 1922, Simmons College
 1320 York Avenue, New York, N. Y.

*Admitted under Clause II.

SPECIAL STUDENTS

- Donald Scott, Jr., B.S., 1930, Harvard University
25 East End Avenue, New York, N. Y.
- Ann Louise Sonnentheil, B.A., 1936, Barnard College
40 East 88th St., New York, N. Y.
- O. A. Russo, M.D., 1928, Georgetown University
3011 Bronxwood Avenue, New York, N. Y.
- Kenneth H. Vinnedge, M.D., 1929, University of Illinois
26 East 63rd Street, New York, N. Y.

SUMMARY

Fourth Year	73
Third Year	71
Second Year	75
First Year (New York)	57
First Year (Ithaca)	21
Total.	<hr/> 297